

Natural Gas Monthly

June 2000

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Natural Gas Publications and Databases Available Electronically

All of the natural gas publications are available electronically on the EIA website. Certain natural gas data are also provided in database formats on the web site. The table below is a guide to the major natural gas products.

Product	Format	Contents
Publications		
<i>Natural Gas Weekly Market Update</i>	PDF	Analysis of current price, supply and storage data
<i>Natural Gas Monthly</i>	PDF	Monthly supply, disposition, and price data
<i>Natural Gas Annual</i>	PDF	Annual supply, disposition, and price data
<i>Historical Natural Gas Annual</i>	PDF	Historical annual supply, disposition, and price data from 1930 - 1997
<i>Issues and Trends</i>	PDF	Comprehensive analysis of growth and change in the natural gas industry
<i>U.S. Crude Oil, Natural Gas and Natural Gas Liquids Reserves</i>	PDF	Proved reserves in the United States
<i>Oil and Gas Field Code Master List</i>	PDF	Listing of U.S. oil and gas field names
<u>Databases</u>		
Monthly Data	TXT	Tables 1-6, and 9 from the <i>Natural Gas Monthly</i>
Historical Monthly Data	EXE	Consumption and price data, 1984-1994; 1995-present
Annual Data	TXT	Tables from the <i>Natural Gas Annual</i>
Historical Annual Data	TXT	Tables from the <i>Historical Natural Gas Annual</i>
Field Codes	EXE	Oil & Gas Field Code Master List
<u>Applications</u>		
EIA-176 Query System	EXE	Company filings to the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"
EIAGIS	EXE	Periodic updates for users of the EIAGIS-NG Geographic Information System

PDF files are image files that can be viewed through Adobe Acrobat.

TXT files are ASCII text. They may be replications of published tables, including table titles, column and row identification, or they may be flat files with a minimum of content description suitable for input to spreadsheets or other programs.

EXE files are executables that can be downloaded then opened. Databases are distributed as self-executing Zipped archives which spawn numerous data files and documentation. Applications are distributed as self-executing Zipped archives which initially generate numerous files and then form an application which is installed on the user's PC.

Preface

The *Natural Gas Monthly (NGM)* is prepared in the Natural Gas Division, Office of Oil and Gas, Energy Information Administration (EIA), U.S. Department of Energy (DOE), under the direction of Joan E. Heinkel.

General questions and comments regarding the *NGM* may be referred to Ann M. Ducca (202) 586-6137. Specific technical questions may be referred to the appropriate persons listed in Appendix E.

The *NGM* highlights activities, events, and analyses of interest to public and private sector organizations associated with the natural gas industry. Volume and price data are presented each month for natural gas production, distribution, consumption, and interstate pipeline activities. Producer-related activities and underground storage data are also reported. From time to time, the *NGM* features articles designed to assist readers in using and interpreting natural gas information.

The data in this publication are collected on surveys conducted by the EIA to fulfill its responsibilities for gathering and reporting energy data. Some of the data are collected under the authority of the Federal Energy Regulatory Commission (FERC), an independent commission within the DOE, which has jurisdiction primarily in the regulation of electric utilities and the interstate natural gas industry. Geographic coverage is the 50 States and the District of Columbia.

Explanatory Notes supplement the information found in tables of the report. A description of the data collection surveys that support the *NGM* is provided in the Data Sources section. A glossary of the terms used in this report is also provided to assist readers in understanding the data presented in this publication.

All natural gas volumes are reported at a pressure base of 14.73 pounds per square inch absolute (psia) and at 60 degrees Fahrenheit. Cubic feet are converted to cubic meters by applying a factor of 0.02831685.

Common Abbreviations Used in the Natural Gas Monthly

AGA	American Gas Association	IOGCC	Interstate Oil and Gas Compact Commission
Bbl	Barrels	LNG	Liquefied Natural Gas
BLS	Bureau of Labor Statistics, U.S. Department of Labor	Mcf	Thousand Cubic Feet
Bcf	Billion Cubic Feet	MMBtu	Million British Thermal Units
BOM	Bureau of Mines, U.S. Department of the Interior	MMcf	Million Cubic Feet
Btu	British Thermal Unit	MMS	United States Minerals Management Service, U.S. Department of the Interior
DOE	U.S. Department of Energy	NGL	Natural Gas Liquids
DOI	U.S. Department of the Interior	OCS	Outer Continental Shelf
EIA	Energy Information Administration, U.S. Department of Energy	STIFS	Short-Term Integrated Forecasting System
FERC	Federal Energy Regulatory Commission	STEO	Short Term Energy Outlook
		Tcf	Trillion Cubic Feet

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Highlights

Overview

This issue of the *Natural Gas Monthly* contains estimates of natural gas data through June 2000 for many data series at the national level. Estimates of natural gas prices are available through March for most series. Also, State-level data are available through March 2000.

Highlights of the most recent data estimates contained in this issue are:

- The amount of working gas in underground storage at the end of June 2000 is estimated to be 1,750 billion cubic feet, 8 percent lower than the average of 1,909 billion cubic feet for June during 1995-1999.
- During the first 6 months of 2000, consumption of natural gas increased substantially in the industrial sector, by 6 percent, while it fell in the residential sector and remained nearly level in the commercial sector.
- The average natural gas wellhead price continued to rise sharply during 2000. In June it reached \$3.58 per thousand cubic feet, 47 percent higher than the highest monthly price of 1999 which was \$2.44 per thousand cubic feet in November.

Supply

Dry natural gas production from January through June 2000 is relatively equal in volume to that of the same period during the past 2 years (less than 1 percent differences). Cumulative dry gas production for January-through-June 2000 is estimated to be 9,369 billion cubic feet (Table 1). While this is slightly higher than for the first half of 1999, the year 2000 is a leap year and has an extra day. The average daily rate of dry production during the first half of 2000 was 51.5 billion cubic feet per day, just below the average of 51.6 billion cubic feet per day in the first half of 1999 (Figure HI1) and 1 percent lower than that in the first half of 1998, 52.2 bil-

lion cubic feet per day. The daily production rate in each month of 2000 has been within 3 percent of the rate for the corresponding month in 1999.

Net imports of natural gas for the first half of 2000 are estimated to be 1,707 billion cubic feet (Table 2). The daily rate in 2000 of 9.4 billion cubic feet per day is 4 percent greater than in the first half of 1999 and 16 percent greater than in the first half of 1998. Supplies from the Sable Island Offshore Energy Project off the coast of Canada, which began operating in January, contributed to the increase in 2000. Net imports in each month of the first half of 2000 have ranged from 9.0 to 10.0 billion cubic feet per day.

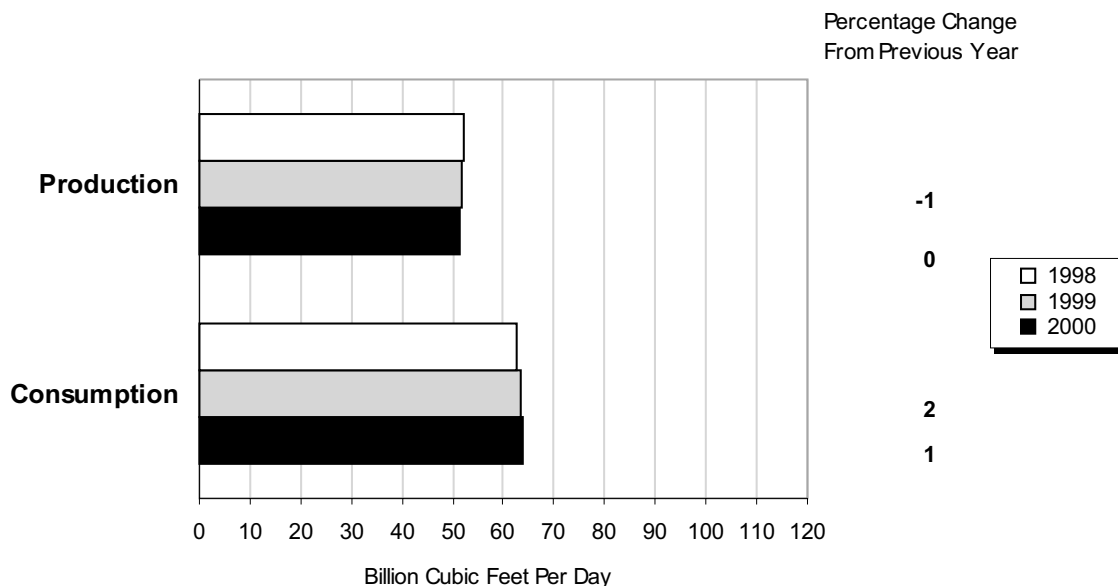
The amount of working gas in underground storage at the end of June 2000 is estimated to be 1,750 billion cubic feet (Table 10). While this is 19 percent lower than at the end of June 1999, it is only 8 percent lower than the average of 1,909 billion cubic feet for June during 1995-1999 (Figure HI2) and higher than the 1,520 billion cubic feet in storage at the end of June 1996.

End-Use Consumption

End-use consumption of natural gas through the first 6 months of 2000 is estimated to be 10,666 billion cubic feet or 58.6 billion cubic feet per day, about 1 percent above the daily rate for the first half of 1999 (Table 3). Consumption increased substantially in the industrial sector, by 6 percent, while it fell in the residential sector and remained nearly level in the commercial sector (Figure HI3).

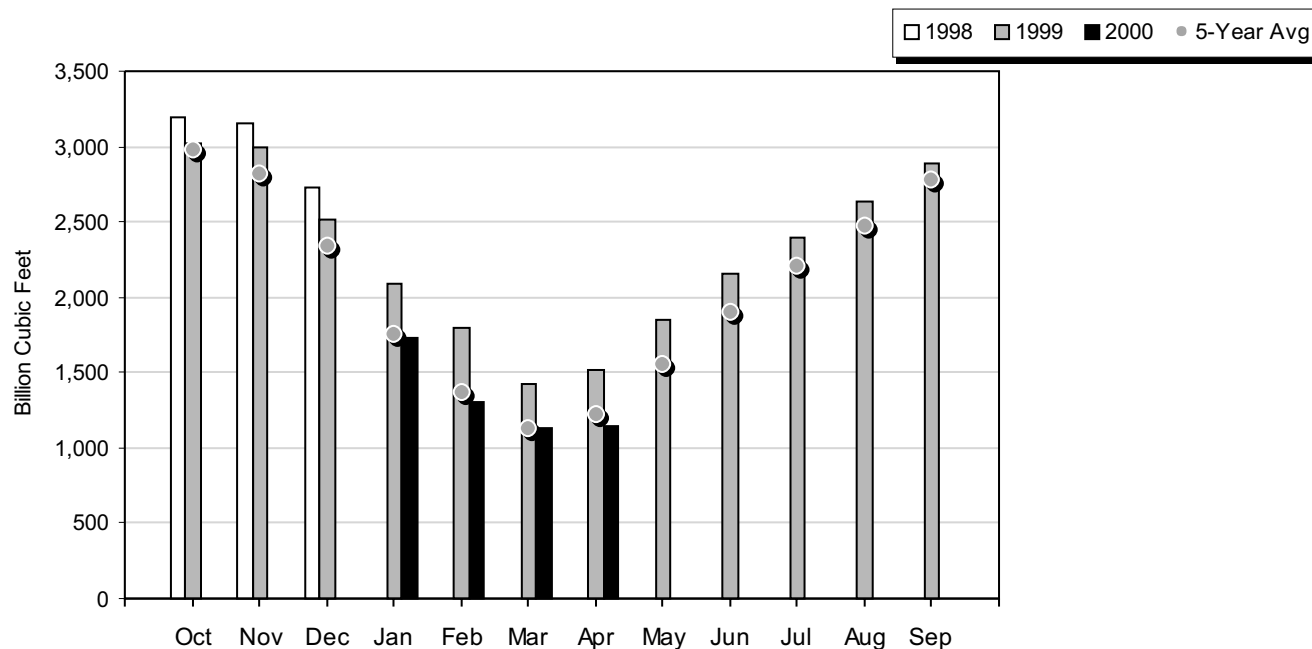
The residential and commercial sectors are highly responsive to weather-related space-heating requirements. Although there were cold periods during January and February of this year in some areas of the country, the first 3 months of 2000 were warmer than normal. There were 25 percent fewer heating degree days during the first quarter of 2000

Figure HI1. Average Daily Rate of Natural Gas Production and Consumption, January-June, 1998-2000



Source: Table 2.

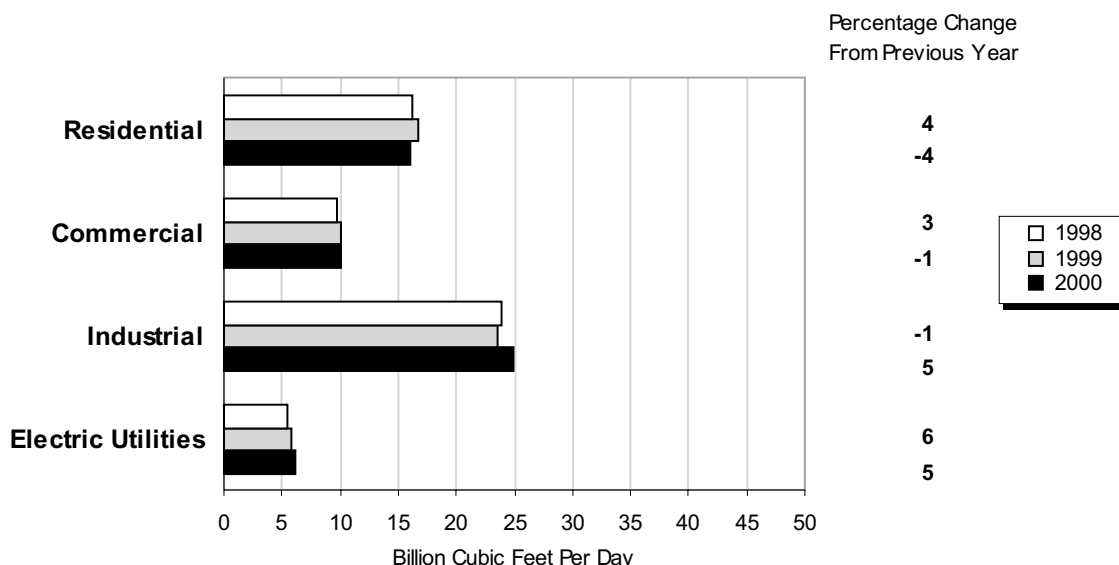
Figure HI2. Working Gas in Underground Storage in the United States, 1998-2000



Note: The 5-year average is calculated using the latest available monthly data. For example, the December average is calculated from December storage levels for 1995 to 1999 while the January average is calculated from January levels for 1996 to 2000. Data are reported as of the end of the month, thus October data represent the beginning of the heating season.

Source: Form EIA-191, "Underground Natural Gas Storage Report," Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," and Short-Term Integrated Forecasting System.

Figure HI3. Average Daily Rate of Natural Gas Deliveries to Consumers, January-June, 1998-2000



Note: Electric utilities reflect deliveries for January-March.

Source: Table 3.

compared to the same period of 1999.¹ Cumulative residential consumption for January through June 2000 is estimated to be 2,924 billion cubic feet or 16.1 billion cubic feet per day, 4 percent lower than the daily rate for the same period in 1999. Consumption also declined in the commercial sector, although by less than 1 percent. Cumulative commercial consumption from January through June is estimated to be 10.0 billion cubic feet per day, compared with a daily rate of 10.1 billion cubic feet for the first half of 1999.

The average daily rate of industrial consumption of natural gas was 24.8 billion cubic feet for January through June 2000 compared with 23.6 billion cubic feet per day during the first 6 months of 1999, an increase of 5 percent. Beginning in February 2000, gas consumption in this sector rose in each month compared with the same month of 1999. The increase in industrial consumption may reflect increases in gas used in manufacturing processes as well as gas used by nonutility generators. As the restructuring of the electric utility industry proceeds, many previously regu-

lated generating plants have been sold to entities that are not regulated utilities. These facilities are classified as nonutility generators, and the gas that they consume is reported as industrial rather than electric utility consumption.

Data for the electric utility sector are available only through March 2000. Cumulative consumption in this sector climbed to 3.1 billion cubic feet per day, 6 percent above the daily rate of 2.9 billion cubic feet during the same period of 1999. This increase occurred despite rising wellhead prices in 2000, especially in February and March.

Prices

Beginning with this issue of the *Natural Gas Monthly*, the Energy Information Administration will provide more current estimates of wellhead prices. These estimates are: \$2.55 per thousand cubic feet for April 2000; \$2.76 per thousand cubic feet

1 Energy Information Administration, *Natural Gas Monthly*, DOE/EIA-0130(2000/04) (Washington, DC, May 2000), Table 26.

for May 2000; \$3.58 per thousand cubic feet for June 2000; and \$2.61 per thousand cubic feet for January through June 2000. They appear in the footnotes in Table 4, in the Notes section. See Note 8 in Appendix A, Explanatory Notes, for a description of how the estimates are made.

Natural gas prices, both at the wellhead and those paid by end users, were running higher in the first quarter 2000 than in the first quarter 1999. The average wellhead price for the first quarter 2000 is estimated to be \$2.26 per thousand cubic feet, \$0.52 or 30 percent higher than in 1999 and \$0.28 or 14 percent higher than in 1998 (Figure HI4, Table 4).

The estimated residential price paid for natural gas in the first quarter 2000 is \$6.49 per thousand cubic feet, \$0.42 or 7 percent higher than in 1999. In the commercial sector, the estimated first quarter 2000 price² is \$5.34 per thousand cubic feet, \$0.26 or 5 percent higher than in 1999.

Higher prices led to somewhat higher expenditures for natural gas by residential users during the 1999-2000 heating season (November through March), even though consumption was somewhat lower. Heating degree days for the United States during the 1999-2000 heating season were 6 percent lower than during the 1998-1999 heating season, indicating a generally warmer winter. Residential consumption of natural gas during the 1999-2000 heating season was 3,164 billion cubic feet, 3 percent lower than in the previous heating season. Consumption in March 2000 (estimated at 536 billion cubic feet) was 19 percent lower than in March 1999, as heating degree days were 23 percent lower than in March 1999. Higher prices during the heating season months led to expenditures for natural gas of \$20.7 billion by the residential sector during the 1999-2000 heating sea-

son, 3 percent higher than during the 1998-1999 heating season (without adjusting for inflation).

The price paid for natural gas by industrial users in the first quarter 2000 is estimated to be \$3.35 per thousand cubic feet, \$0.37 or 12 percent above the level in the first quarter 1999. The prices paid by electric utilities are available only through February. The January-through-February average price is \$2.83 per thousand cubic feet, \$0.54 or 24 percent higher than in the first 2 months of 1999.

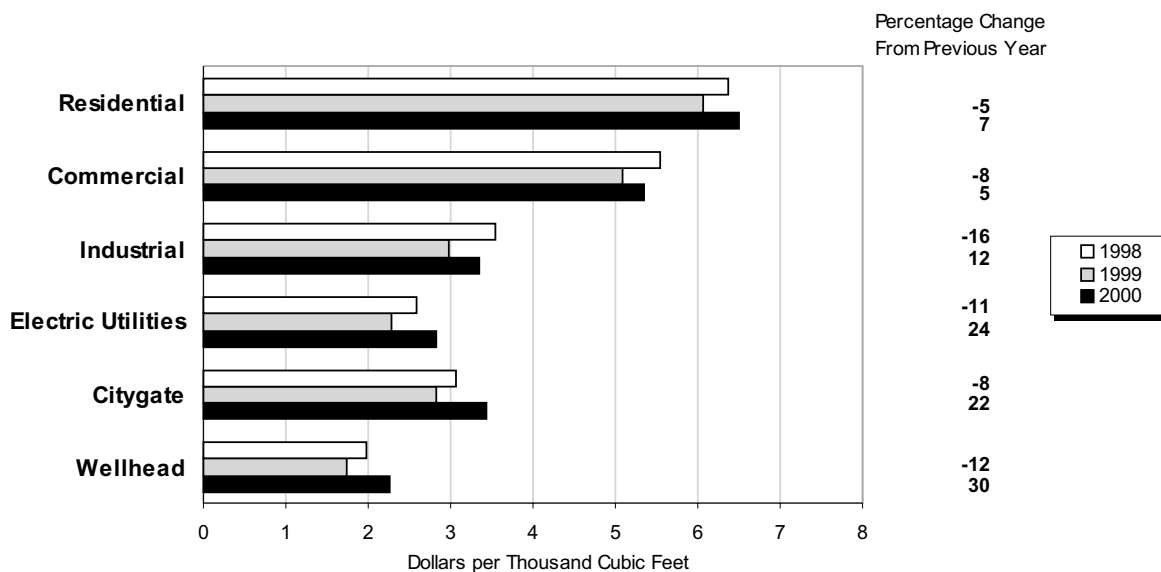
Natural gas prices at the Henry Hub, both on the spot market and on the New York Mercantile Exchange (NYMEX) futures market, generally rose from February 2000 through early May, then increased sharply through early June (Figure HI5). Trading during May 2000 on the futures contract for June 2000 delivery generally increased from a low of \$3.025 per million Btu on May 5 to a high of \$4.408 per million Btu on May 26, the closing date for the contract. Trading on the contract for July 2000 delivery settled at \$4.354 on May 30, the first day of trading as the near-month contract, and closed at \$4.369 per million Btu on June 28.

Day-to-day volatility increased during June as the settlement price ranged from a low of \$3.945 to a high of \$4.686 per million Btu. The high price was the highest settlement price ever recorded for the NYMEX at the Henry Hub for a near-month contract. Reasons for the rise in spot and futures prices thus far in 2000 include greater than average demand for gas to refill working gas in storage, high crude oil prices, increased demand as new gas-fired power generators come on line, and forecasts for warmer-than-normal summer temperatures that would increase the demand for natural gas for electricity generation to meet demand for air conditioning.³

2 End-use prices in the residential, commercial, and industrial sectors are for onsystem gas sales only. While monthly onsystem sales are nearly 100 percent of residential deliveries, in 1999 they were 65 percent of commercial deliveries and only 17 percent of industrial deliveries (Table 4).

3 Energy Information Administration, *Natural Gas Weekly Market Update*. <http://www.eia.doe.gov> (July 3, 2000).

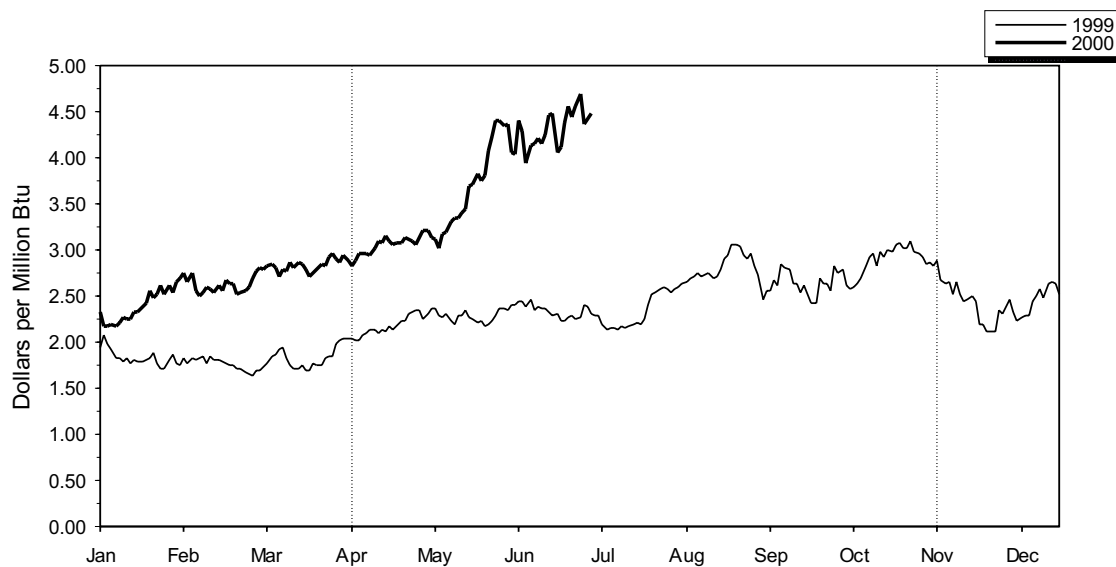
Figure HI4. Average Delivered and Wellhead Natural Gas Prices, January-March, 1998-2000



Note: Commercial and industrial average prices reflect onsystem sales only. The reporting of electric utility prices is 1 month behind the reporting of other prices.

Source: Table 4.

Figure HI5. Daily Futures Settlement Prices at the Henry Hub



Note: The futures price is for the near-month contract, that is, for the next contract to terminate trading. Contracts are traded on the New York Mercantile Exchange. April 1 is the beginning of the natural gas storage refill season. November 1 is the beginning of the heating season.

Source: Commodity Futures Trading Commission, Division of Economic Analysis.

Table 1. Summary of Natural Gas Production in the United States, 1994-2000
(Billion Cubic Feet)

Year and Month	Gross Withdrawals	Repressuring	Nonhydrocarbon Gases Removed ^a	Vented and Flared	Marketed Production (Wet)	Extraction Loss ^b	Dry Gas Production ^c
1994 Total	23,581	3,231	412	228	19,710	889	18,821
1995 Total	23,744	3,565	388	284	19,506	908	18,599
1996 Total	24,114	3,511	518	272	19,812	958	18,854
1997 Total	24,213	3,492	599	256	19,866	964	18,902
1998							
January	2,093	307	48	19	1,719	82	1,637
February	1,877	291	49	17	1,520	73	1,448
March	2,081	310	51	20	1,700	81	1,619
April	1,994	284	50	20	1,640	78	1,562
May	2,035	266	47	16	1,705	81	1,624
June	1,975	271	49	21	1,634	78	1,556
July	2,002	265	51	20	1,666	80	1,586
August	2,024	273	53	20	1,678	80	1,598
September	1,874	276	51	20	1,527	73	1,454
October	2,026	297	58	21	1,650	79	1,571
November	1,954	292	52	20	1,591	76	1,515
December	1,988	302	51	20	1,615	77	1,538
Total	23,924	3,433	611	234	19,646	938	18,708
1999							
January	^E 2,091	^E 317	^E 58	^E 20	^E 1,696	^E 82	^E 1,613
February	^E 1,882	^E 274	^E 54	^E 18	^E 1,536	^E 75	^E 1,462
March	^E 2,080	^E 307	^E 59	^E 21	^E 1,693	^E 82	^E 1,611
April	^E 1,960	^E 289	^E 42	^E 21	^E 1,608	^E 78	^E 1,530
May	^E 1,998	^E 264	^E 44	^E 21	^E 1,669	^E 81	^E 1,588
June	^E 1,963	^E 279	^E 43	^E 21	^E 1,620	^E 79	^E 1,542
July	^E 1,997	^E 283	^E 44	^E 21	^E 1,649	^E 80	^E 1,569
August	^E 1,975	^E 282	^E 42	^E 20	^E 1,632	^E 79	^E 1,553
September	^E 1,925	^E 262	^E 43	^E 22	^E 1,598	^E 78	^E 1,521
October	^E 2,038	^E 325	^E 45	^E 23	^E 1,644	^E 80	^E 1,565
November	^E 1,978	^E 305	^E 43	^E 22	^E 1,608	^E 78	^E 1,530
December	^E 2,067	^E 341	^E 45	^E 23	^E 1,658	^E 80	^E 1,578
Total	^E23,953	^E3,528	^E561	^E253	^E19,611	^E951	^E18,660
2000							
January	^{RE} 2,073	^E 349	^E 43	^E 21	^{RE} 1,660	^{RE} 79	^{RE} 1,581
February	^{RE} 1,912	^{RE} 312	^{RE} 40	^E 19	^{RE} 1,541	^{RE} 74	^{RE} 1,468
March	^{RE} 2,107	^{RE} 350	^E 44	^E 21	^E 1,692	^E 82	^E 1,610
April	^E 2,029	^E 337	^E 43	^E 20	^E 1,630	^E 78	^E 1,552
May(STIFS)	NA	NA	NA	NA	^E 1,683	^E 80	^E 1,603
June(STIFS)	NA	NA	NA	NA	^E 1,634	^E 78	^E 1,556
2000 YTD	NA	NA	NA	NA	^E9,840	^E471	^E9,369
1999 YTD	^E11,974	^E1,730	^E299	^E123	^E9,822	^E476	^E9,346
1998 YTD	12,056	1,729	295	113	9,919	474	9,446

^a See Appendix A, Explanatory Note 1, for a discussion of data on Nonhydrocarbon Gases Removed.

^b Extraction loss is only collected on an annual basis. Annually it is between 4 and 5 percent of marketed production. Monthly extraction loss is estimated from monthly marketed production by assuming that the preceding annual percentage remains constant for the next twelve months.

^c Equal to marketed production (wet) minus extraction loss.

^E Estimated Data.

^{RE} Revised Estimated Data.

NA Not Available.

Notes: Data for 1994 through 1998 are final. All other data are preliminary

unless otherwise indicated and contain estimates for selected States (see Table 7). Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding.

Sources: 1994-1998: Energy Information Administration (EIA), *Natural Gas Annual 1998*. January 1999 through current month: Form EIA-895, "Monthly Quantity of Natural Gas Report," STIFS, and EIA estimates. See Appendix A, Explanatory Notes 1, 3, and 6, for discussion of computation and estimation procedures and revision policies.

Table 2. Supply and Disposition of Dry Natural Gas in the United States, 1994-2000
(Billion Cubic Feet)

Year and Month	Dry Gas Production	Supplemental Gaseous Fuels ^a	Net Imports	Net Storage Withdrawals ^b	Balancing Item ^c	Consumption ^d
1994 Total	18,821	111	2,462	-286	-400	20,708
1995 Total	18,599	110	2,687	415	-230	21,581
1996 Total	18,854	109	2,784	2	217	21,967
1997 Total	18,902	103	2,837	24	92	21,959
1998						
January	1,637	11	270	486	-2	2,401
February	1,448	9	240	301	114	2,111
March	1,619	10	244	255	-4	2,123
April	1,562	8	240	-206	102	1,705
May	1,624	7	242	-402	29	1,500
June	1,556	6	230	-336	6	1,462
July	1,586	8	255	-326	49	1,572
August	1,598	8	264	-286	-1	1,583
September	1,454	7	250	-231	-10	1,471
October	1,571	8	253	-269	-81	1,482
November	1,515	10	246	32	-85	1,717
December	1,538	11	259	452	-131	2,129
Total	18,708	102	2,993	-530	-11	21,262
1999						
January	^E 1,613	^E 10	295	623	^R -15	^R 2,527
February	^E 1,462	^E 8	262	333	^R 41	^R 2,107
March	^E 1,611	^E 8	276	297	^R -61	^R 2,133
April	^E 1,530	^E 8	267	-91	^R 51	^R 1,767
May	^E 1,588	^E 8	272	-337	^R -15	^R 1,517
June	^E 1,542	^E 6	264	-306	^R -81	1,426
July	^E 1,569	^E 7	276	-225	-118	^R 1,510
August	^E 1,553	^E 8	^E 298	-238	^R -77	^R 1,544
September	^E 1,521	^E 7	^E 292	-310	^R -62	^R 1,449
October	^E 1,565	^E 8	296	-148	^R -158	^R 1,563
November	^E 1,530	^E 8	290	30	^R -149	^R 1,711
December	^E 1,578	^E 9	^E 293	514	^R -283	^R 2,113
Total	^E18,660	^E95	^E3,381	141	^R-926	^R21,367
2000						
January	^{RE} 1,581	^E 10	^R 311	780	^R -217	^R 2,465
February	^{RE} 1,468	^E 9	^R 279	454	^R 81	^R 2,290
March	^E 1,610	^E 8	^R 287	162	^R -37	2,031
April	^E 1,552	^E 7	^E 275	-36	^E -59	^E 1,740
May(STIFS)	^E 1,603	^E 8	^E 280	^E -255	^E -51	^E 1,585
June(STIFS)	^E 1,556	^E 8	^E 276	^E -311	^E -32	^E 1,497
2000 YTD	^E9,369	^E50	^E1,707	^E794	^E-314	^E11,608
1999 YTD	^E9,346	^E48	1,636	519	-80	11,477
1998 YTD	9,446	50	1,466	98	244	11,303

^a Supplemental gaseous fuels data are only collected on an annual basis except for the Dakota Gasification Inc. coal gasification facility which provides data each month. The ratio of annual supplemental fuels (excluding Dakota Gasification Inc.) to the sum of dry gas production, net imports, and net withdrawals from storage is calculated. This ratio, which varies between .0022 and .0037, is applied to the monthly sum of these three elements. The Dakota Gasification Inc. monthly value is added to the result to produce the monthly supplemental fuels estimate.

^b Monthly and annual data for 1994 through 1998 include underground storage and liquefied natural gas storage. Data for January 1999 forward include underground storage only. See Appendix A, Explanatory Note 7 for discussion of computation procedures.

^c Represents quantities lost and imbalances in data due to differences among data sources. See Appendix A, Explanatory Note 9, for full discussion.

^d Consists of pipeline fuel use, lease and plant fuel use, vehicle fuel, and

deliveries to consuming sectors as shown in Table 3.

^R Revised Data.

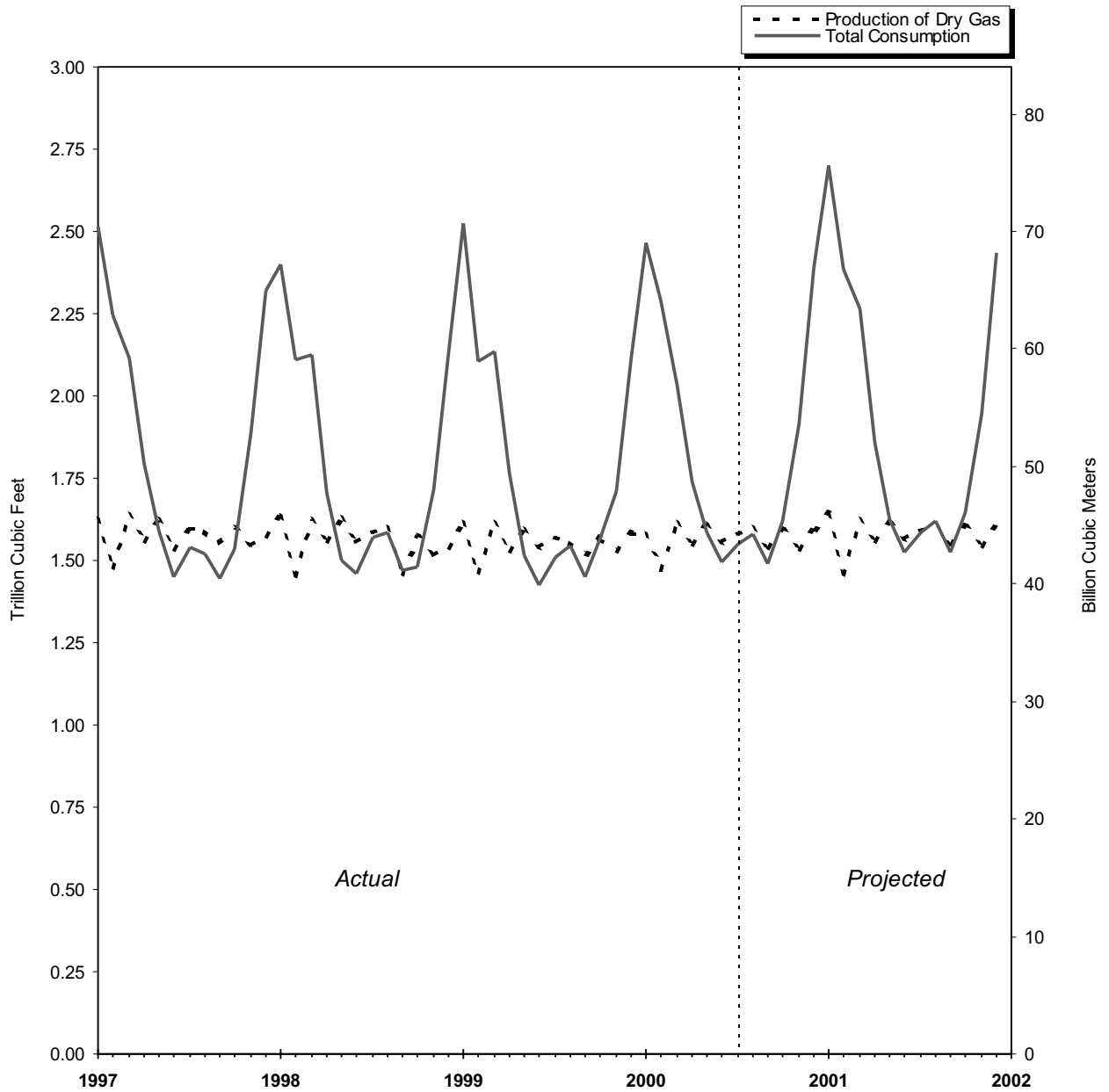
^E Estimated Data.

^{RE} Revised Estimated Data.

Notes: Data for 1994 through 1998 are final. All other data are preliminary unless otherwise indicated. Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding.

Sources: 1994-1998: Energy Information Administration (EIA), *Natural Gas Annual 1998*. January 1999 through current month: EIA, Form EIA-895, Form EIA-857, Form EIA-191, EIA computations, and estimates, Short-Term Integrated Forecasting System (STIFS) computations, and Office of Fossil Energy, Natural Gas Imports and Exports. See Appendix A for discussion of computation and estimation procedures and revision policies.

Figure 1. Production and Consumption of Natural Gas in the United States, 1997-2001



Sources: 1997 through the current month: Table 2. Projected data: Energy Information Administration, *Short-Term Energy Outlook*.

Table 3. Natural Gas Consumption in the United States, 1994-2000

(Billion Cubic Feet)

Year and Month	Lease and Plant Fuel ^a	Pipeline Fuel ^b	Delivered to Consumers					Total Consumption
			Residential	Commercial ^c	Industrial	Electric Utilities	Total	
1994 Total	1,124	685	4,848	2,897	8,167	2,987	18,899	20,708
1995 Total	1,220	700	4,850	3,034	8,580	3,197	19,660	21,581
1996 Total	1,250	711	5,241	3,161	8,870	2,732	20,006	21,967
1997 Total	1,203	751	4,984	3,219	8,832	2,968	20,004	21,959
1998								
January	101	73	812	451	793	171	2,227	2,401
February	90	64	692	393	739	134	1,957	2,111
March	101	64	648	367	750	194	1,959	2,123
April	97	51	408	256	704	190	1,558	1,705
May	99	44	221	170	676	290	1,357	1,500
June	96	43	153	138	654	379	1,323	1,462
July	97	47	132	142	704	449	1,428	1,572
August	98	47	117	144	719	457	1,438	1,583
September	90	44	121	140	695	381	1,337	1,471
October	98	44	203	173	718	246	1,340	1,482
November	94	51	398	264	732	178	1,572	1,717
December	96	64	616	362	803	189	1,969	2,129
Total	1,157	635	4,520	3,005	8,686	3,258	19,469	21,262
1999								
January	^E 106	76	899	480	^R 790	176	^R 2,346	^R 2,527
February	^E 96	63	679	393	725	149	1,947	2,107
March	^E 106	64	658	^R 378	723	204	^R 1,963	^R 2,133
April	^E 101	53	416	^R 259	^R 683	254	^R 1,613	^R 1,767
May	^E 105	45	^R 233	^R 180	^R 684	270	^R 1,367	^R 1,517
June	^E 101	43	^R 154	143	^R 664	322	1,282	1,426
July	^E 103	45	^R 127	^R 137	^R 664	434	^R 1,362	^R 1,510
August	^E 102	^R 46	117	^R 140	^R 706	432	^R 1,396	^R 1,544
September	^E 100	43	137	^R 144	^R 742	283	^R 1,305	^R 1,449
October	^E 103	47	^R 233	188	^R 752	240	^R 1,413	^R 1,563
November	^E 101	51	^R 371	255	^R 761	172	^R 1,559	^R 1,711
December	^E 104	63	^R 650	355	^R 764	176	^R 1,946	^R 2,113
Total	^E 1,228	639	^R 4,675	^R 3,052	^R 8,660	3,113	^R 19,501	^R 21,367
2000								
January	^{RE} 104	74	857	^R 453	^R 787	190	^R 2,287	^R 2,465
February	^{RE} 96	^R 68	^R 750	^R 417	^R 792	166	^R 2,125	^R 2,290
March	^E 106	61	536	356	766	207	1,865	2,031
April(STIFS)	^E 100	^E 46	^E 398	^E 259	^E 730	NA	^E 1,593	^E 1,740
May(STIFS)	^E 105	^E 44	^E 241	^E 188	^E 718	NA	^E 1,436	^E 1,585
June(STIFS)	^E 100	^E 37	^E 142	^E 153	^E 728	NA	^E 1,360	^E 1,497
2000 YTD^d	612	330	2,924	1,826	4,520	563	10,666	11,608
1999 YTD^d	615	343	3,040	1,833	4,270	530	10,519	11,477
1998 YTD^d	584	339	2,933	1,773	4,316	499	10,380	11,303

^a Plant fuel data are only collected on an annual basis and monthly lease fuel data are only collected annually. Lease and plant fuel estimates have been between 6 and 7 percent of marketed production annually. Monthly lease and plant fuel use is estimated from monthly marketed production by assuming that the preceding annual percentage remains constant for the next twelve months.

^b Pipeline fuel use is only collected on an annual basis. Annually it is between 3 and 4 percent of total consumption. Monthly pipeline fuel data are estimated from monthly total consumption(excluding pipeline fuel) by assuming that the preceding annual percentage remains constant for the next twelve months.

^c Deliveries to Commercial consumers for 1994-1998 include vehicle fuel deliveries, which totaled, in billion cubic feet, 1.7 in 1994, 2.7 in 1995, 2.9 in 1996, 4.4 in 1997, and 5.1 in 1998.

^d Year-to-date volume represents months for which volume information is available in the current year.

^R Revised Data.

^E Estimated Data.

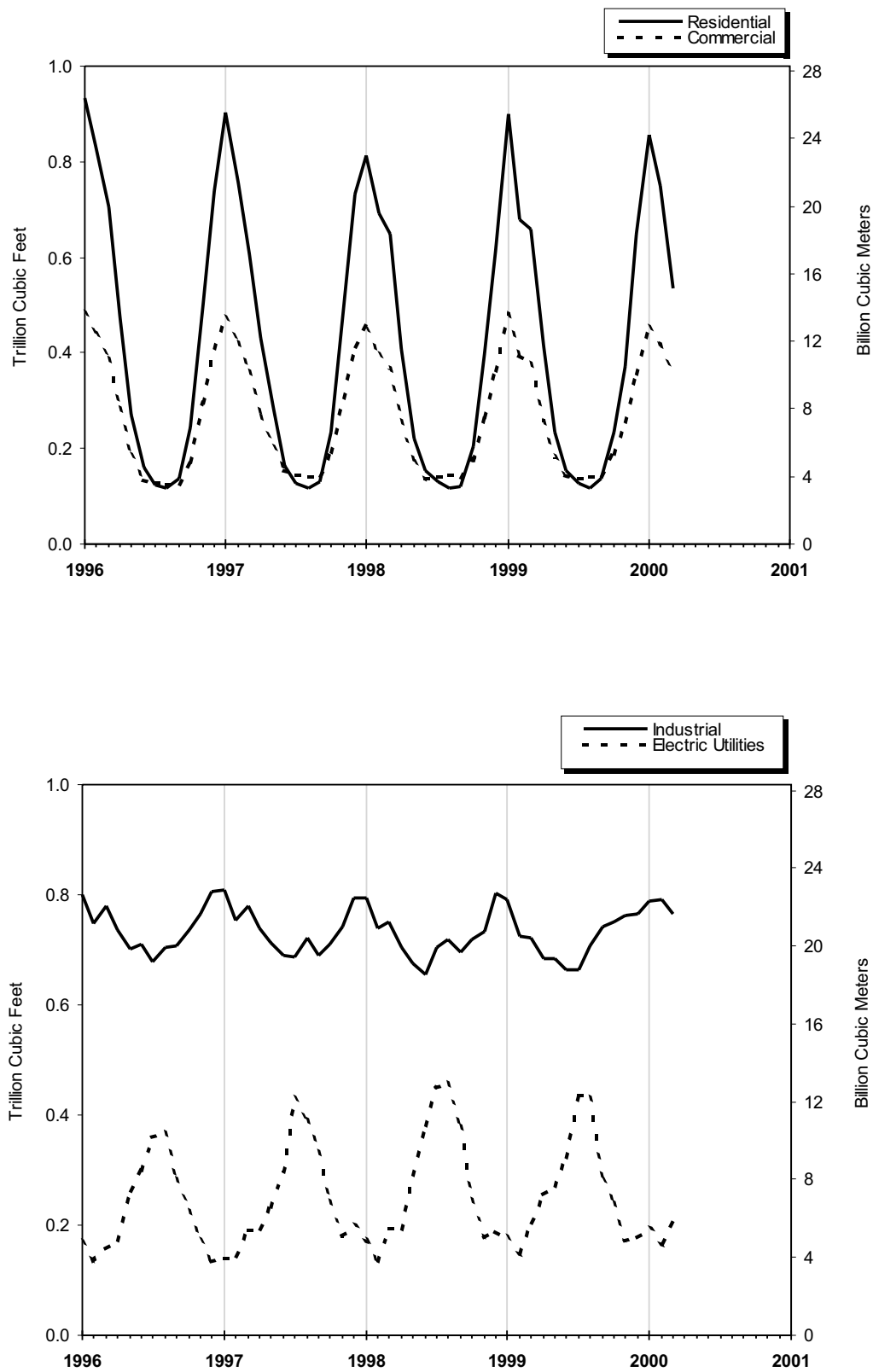
^{RE} Revised Estimated Data.

NA Not Available.

Notes: Data for 1994 through 1998 are final. All other data are preliminary unless otherwise indicated. Estimates for the most recent three months are derived from the Short-Term Integrated Forecasting System (STIFS). Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding. In 1996, consumption of natural gas for agricultural use was classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use. See Explanatory Note 5 for further explanation.

Sources: 1994-1998: Energy Information Administration (EIA): Form EIA-627, "Annual Quantity and Value of Natural Gas Report," (thru 1994), Form EIA-895 "Monthly Quantity of Natural Gas Report," (1995 forward), Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," Form EIA-759, "Monthly Power Plant Report," EIA computations, and *Natural Gas Annual 1998*. January 1999 through the current month: EIA: Form EIA-895, Form EIA-857, Form EIA-759, and STIFS computations. See Appendix A, Explanatory Note 5, for computation procedures and revision policy.

Figure 2. Natural Gas Deliveries to Consumers in the United States, 1996-2000



Source: Table 3.

Table 4. Selected National Average Natural Gas Prices, 1994-2000

(Dollars per Thousand Cubic Feet)

Year and Month	Wellhead Price ^a	City Gate Price	Delivered to Consumers					
			Residential Price	Commercial		Industrial		Electric Utilities Price
				Price	% of Total ^b	Price	% of Total ^b	
1994 Annual Average	1.85	3.07	6.41	5.44	79.3	3.05	25.5	2.28
1995 Annual Average	1.55	2.78	6.06	5.05	76.7	2.71	24.5	2.02
1996 Annual Average	2.17	3.34	6.34	5.40	77.6	3.42	19.4	2.69
1997 Annual Average	2.32	3.66	6.94	5.80	70.8	3.59	18.1	2.78
1998								
January	1.95	3.08	6.41	5.65	73.2	3.67	16.8	2.64
February	1.95	3.08	6.41	5.59	72.9	3.58	16.7	2.51
March	2.05	3.06	6.29	5.40	73.6	3.40	17.3	2.53
April	2.15	3.23	6.81	5.64	67.7	3.28	15.8	2.59
May	2.04	3.12	7.70	5.73	62.6	3.14	14.9	2.47
June	1.90	2.98	8.51	5.51	62.9	2.97	15.1	2.40
July	2.08	3.31	8.53	5.64	56.0	3.04	13.1	2.50
August	1.81	3.01	9.25	5.46	53.3	2.75	13.8	2.21
September	1.69	2.78	8.96	5.49	57.0	2.65	14.2	2.15
October	1.85	2.99	7.60	5.31	59.2	2.75	14.8	2.22
November	1.93	2.99	6.58	5.22	64.5	2.95	15.7	2.37
December	1.94	3.10	6.34	5.23	68.3	2.92	17.2	2.22
Annual Average	1.94	3.07	6.82	5.48	67.0	3.14	16.1	2.40
1999								
January	^E 1.80	2.84	5.99	5.08	72.7	3.07	15.4	2.32
February	^E 1.73	2.94	6.24	5.17	69.1	2.97	15.5	2.26
March	^E 1.70	2.67	6.01	5.00	^R 68.7	2.91	16.0	2.15
April	^{RE} 1.93	2.91	6.32	^R 5.72	^R 64.5	2.82	^R 15.7	2.29
May	^E 2.10	3.25	^R 7.11	^R 5.13	^R 60.9	2.66	17.1	2.57
June	^{RE} 2.09	3.18	^R 7.96	^R 5.27	59.4	2.87	^R 16.8	2.53
July	^E 2.07	3.11	^R 8.54	^R 5.26	^R 57.6	2.90	^R 17.4	2.58
August	^E 2.34	3.37	^R 8.96	^R 5.36	^R 54.4	^R 3.06	^R 18.4	2.86
September	^E 2.42	3.50	^R 8.45	^R 5.43	^R 57.2	3.13	^R 17.0	2.98
October	^E 2.31	3.50	^R 7.50	^R 5.36	^R 59.8	3.21	^R 17.2	2.83
November	^E 2.44	3.75	7.09	5.46	62.6	3.45	^R 17.5	3.01
December	^E 2.03	3.22	^R 6.45	5.44	66.9	3.26	^R 18.6	2.68
Annual Average	^{RE} 2.08	3.11	^R 6.62	^R 5.27	^R 65.2	3.04	16.9	2.62
2000								
January	^E 2.12	3.30	6.30	5.38	^R 69.6	3.28	^R 19.3	2.74
February	^E 2.30	3.49	6.45	^R 5.44	^R 71.0	^R 3.44	^R 18.3	2.95
March	^E 2.36	3.54	6.82	5.15	66.4	3.34	17.4	NA
2000 YTD^c	^E 2.26	3.43	6.49	5.34	69.1	3.35	18.3	2.83
1999 YTD^c	^E 1.74	2.82	6.07	5.08	70.4	2.98	15.6	2.29
1998 YTD^c	1.98	3.07	6.38	5.55	73.2	3.55	17.0	2.58

^a See Appendix A, Explanatory Note 8, for discussion of wellhead prices.

^b Percentage of total deliveries represented by onsystem sales, see Figure 6. See Table 25 for breakdown by State.

^c Year-to-date price represents months for which price information is available in the current year.

^R Revised Data.

^E Estimated Data.

^{RE} Revised Estimated Data.

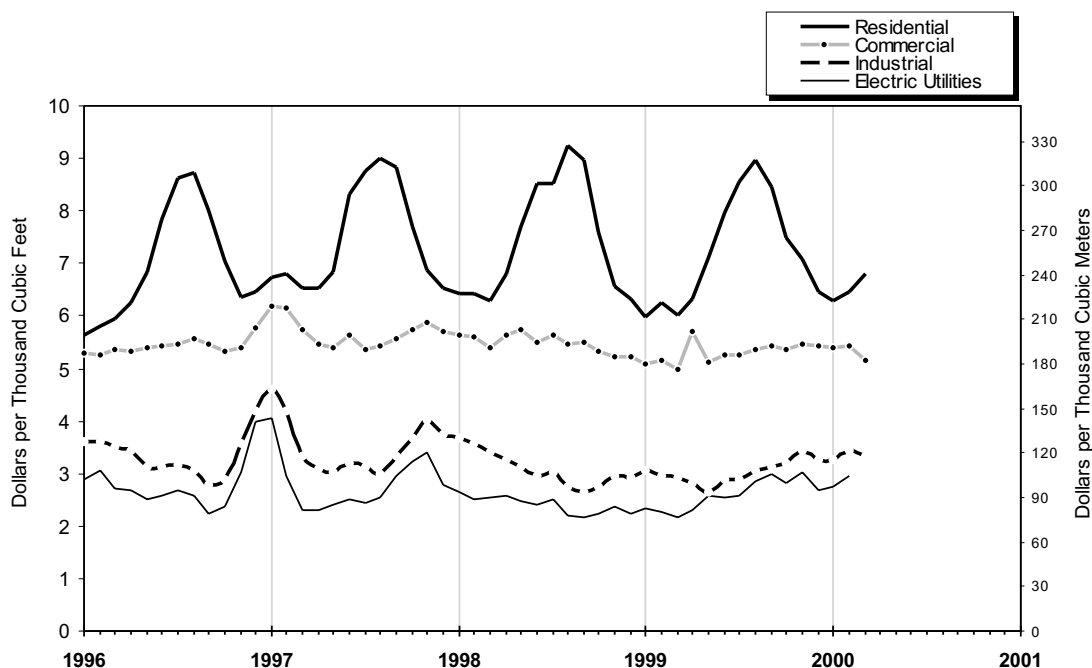
^{NA} Not Available.

Notes: Estimates of wellhead prices for recent months are: \$2.55 per thousand cubic feet for April 2000; \$2.76 per thousand cubic feet for May 2000; and \$3.58 per thousand cubic feet for June 2000. The year-to-date

wellhead price estimate is \$2.61 per thousand cubic feet for January through June 2000. Data for 1994 through 1998 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. In 1996, consumption of natural gas for agricultural use was classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use. See Explanatory Note 5 for further explanation.

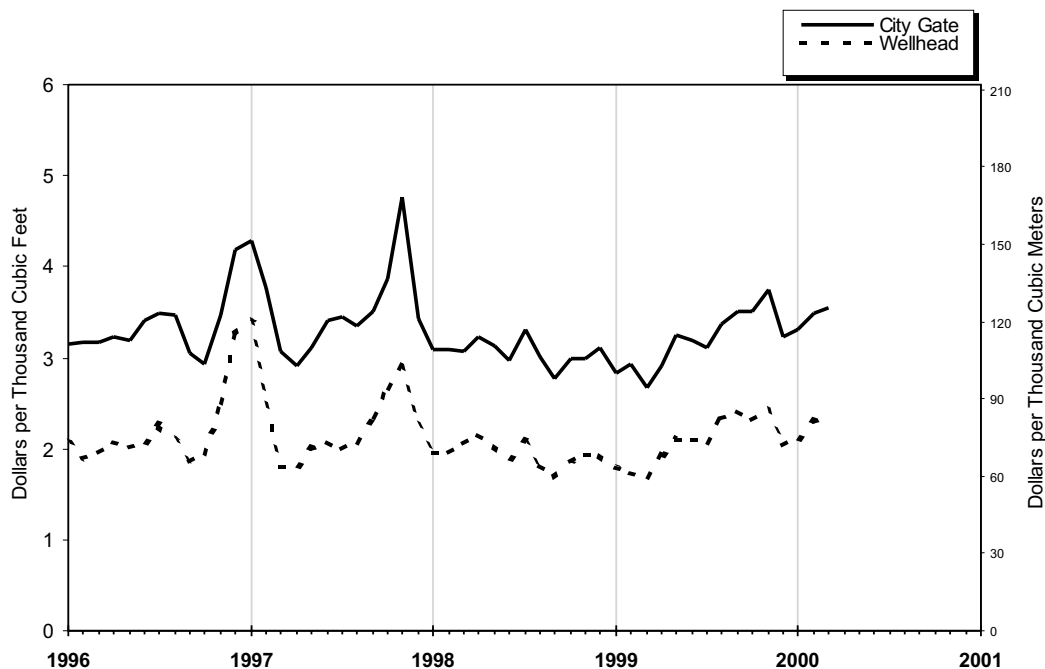
Sources: 1994-1998: Energy Information Administration (EIA) *Natural Gas Annual 1998*. January 1999 through current month: EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and EIA estimates. See Appendix A, Explanatory Note 8 for estimation procedures and revision policy.

Figure 3. Average Price of Natural Gas Delivered to Consumers in the U.S., 1996-2000



Source: Table 4

Figure 4. Average Price of Natural Gas in the United States, 1996-2000



Source: Table 4

Table 5. U.S. Natural Gas Imports, by Country, 1994-2000

(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet)

Year and Month	Pipeline				LNG			
	Canada		Mexico		Algeria		Australia	
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price
1994 Total	2,566,049	1.86	7,013	1.99	50,778	2.28	0	—
1995 Total	2,816,408	1.48	6,722	1.53	17,918	2.30	0	—
1996 Total	2,883,277	1.96	13,862	2.25	35,325	2.70	0	—
1997 Total	2,899,152	2.15	17,243	2.31	65,675	2.67	9,686	2.92
1998								
January	276,118	2.06	55	2.12	10,105	2.51	0	—
February	239,091	1.90	2,184	2.04	7,606	2.51	2,171	3.99
March	257,485	1.97	380	2.20	5,166	2.50	0	—
April	247,363	2.03	3,249	2.37	2,549	2.52	0	—
May	243,868	2.00	845	2.15	7,596	2.51	0	—
June	235,847	1.86	5	2.21	5,149	2.51	2,441	2.91
July	259,412	1.96	1,821	2.13	5,086	2.52	0	—
August	268,535	1.80	1,413	1.78	2,540	2.52	2,321	2.92
September	254,752	1.66	2,257	1.86	5,133	2.52	0	—
October	260,135	1.92	905	1.65	5,023	2.50	0	—
November	247,971	2.09	0	—	5,042	2.51	2,353	3.55
December	261,495	2.14	1,418	1.77	7,572	2.51	2,348	3.18
Total	3,052,073	1.95	14,532	2.03	68,567	2.51	11,634	3.30
1999								
January	290,266	1.98	4,891	1.76	12,612	2.47	0	—
February	258,656	1.89	4,398	1.71	7,423	2.51	2,557	3.56
March	279,161	1.82	751	1.61	12,648	2.70	0	—
April	265,973	1.84	4,192	2.04	7,639	2.46	0	—
May	270,034	2.17	6,843	1.97	3,900	2.67	0	—
June	256,251	2.13	4,978	2.14	2,528	1.96	2,314	2.34
July	271,431	2.27	3,876	2.24	5,133	2.19	0	—
August	287,657	2.49	6,028	2.64	2,554	2.19	2,302	2.35
September	283,625	2.74	4,643	2.42	7,593	2.51	0	—
October	290,306	2.57	4,168	2.52	5,120	2.50	2,309	2.41
November	288,378	2.95	6,463	2.34	2,440	2.88	0	—
December	290,919	2.38	3,297	2.11	5,022	2.54	2,422	2.74
Total	3,332,658	2.28	54,528	2.17	74,612	2.50	11,903	2.70
2000								
January	^R 310,181	^R 2.43	2,911	^R 2.30	5,026	^R 2.51	0	—
February	^R 289,222	^R 2.57	730	^R 2.50	^R 4,987	^R 3.62	0	—
March	^R 292,023	^R 2.61	316	^R 2.60	3,990	^R 2.40	0	—
April	^E 277,500	NA	^E 316	NA	0	—	2,278	NA
2000 YTD	^E 1,168,926	NA	^E 4,273	NA	14,003	2.87	2,278	NA
1999 YTD	1,094,057	1.88	14,232	1.82	40,321	2.55	2,557	3.56
1998 YTD	1,020,057	1.99	5,868	2.23	25,427	2.51	2,171	3.99

See footnotes at end of table.

Table 5. U.S. Natural Gas Imports, by Country, 1994-2000

(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet) — Continued

Year and Month	LNG								Total	
	Qatar		Trinidad		United Arab Emirates		Other		Volume	Average Price
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price		
1994 Total	0	—	0	—	0	—	0	—	2,623,839	1.87
1995 Total	0	—	0	—	0	—	0	—	2,841,048	1.49
1996 Total	0	—	0	—	4,949	3.46	0	—	2,937,413	1.97
1997 Total	0	—	0	—	2,417	3.74	0	—	2,994,173	2.17
1998										
January	0	—	0	—	0	—	0	—	286,278	2.08
February	0	—	0	—	0	—	0	—	251,052	1.94
March	0	—	0	—	0	—	0	—	263,032	1.98
April	0	—	0	—	0	—	0	—	253,161	2.04
May	0	—	0	—	0	—	0	—	252,310	2.02
June	0	—	0	—	0	—	0	—	243,442	1.88
July	0	—	0	—	0	—	0	—	266,319	1.97
August	0	—	0	—	0	—	0	—	274,809	1.82
September	0	—	0	—	0	—	0	—	262,142	1.68
October	0	—	0	—	0	—	0	—	266,063	1.93
November	0	—	0	—	2,667	2.78	0	—	258,033	2.12
December	0	—	0	—	2,585	2.47	0	—	275,417	2.16
Total	0	—	0	—	5,252	2.63	0	—	3,152,058	1.97
1999										
January	0	—	0	—	0	—	0	—	307,769	2.00
February	2,481	2.75	0	—	0	—	0	—	275,515	1.93
March	0	—	0	—	0	—	0	—	292,560	1.86
April	2,492	1.93	0	—	0	—	0	—	280,296	1.86
May	0	—	5,493	1.90	0	—	0	—	286,270	2.17
June	2,417	1.98	6,620	2.08	0	—	0	—	275,109	2.13
July	2,388	2.60	6,599	2.10	0	—	0	—	289,428	2.27
August	0	—	9,898	2.50	0	—	2,576	2.37	311,014	2.49
September	4,987	2.71	4,393	2.55	0	—	0	—	305,242	2.73
October	0	—	4,394	2.52	0	—	0	—	306,296	2.57
November	2,374	3.07	6,657	2.86	2,713	2.97	0	—	309,026	2.94
December	2,392	3.55	5,256	2.84	0	—	0	—	309,307	2.40
Total	19,532	2.66	49,310	2.41	2,713	2.97	2,576	2.37	3,547,832	2.29
2000										
January	0	—	^R 7,780	^R 3.01	0	—	0	—	^R 325,898	^R 2.44
February	0	—	5,168	^R 2.90	0	—	0	—	^R 300,107	^R 2.59
March	2,428	^R 2.79	^R 8,393	^R 2.89	0	—	0	—	^R 307,150	^R 2.62
April	7,243	NA	7,318	NA	0	—	0	—	^E 294,654	NA
2000 YTD	9,671	NA	28,659	NA	0	—	0	—	^E 1,227,809	NA
1999 YTD	4,973	2.34	0	—	0	—	0	—	1,156,140	1.91
1998 YTD	0	—	0	—	0	—	0	—	1,053,523	2.01

^R Revised Data.^E Estimated Data.

NA Not Available.

— Not Applicable.

Sources: 1994: Energy Information Administration, Form FPC-14,

"Annual Report for Importers and Exporters of Natural Gas." January 1995 through the current month (except estimates): Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports*. Estimated pipeline data (shown with an "E") are taken from data from the National Energy Board of Canada plus EIA estimates. LNG data: Industry reports.

Table 6. U.S. Natural Gas Exports, by Country, 1994-2000

(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet)

Year and Month	Pipeline				LNG				Total	
	Canada		Mexico		Japan		Mexico		Volume	Average Price
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price		
1994 Total	52,556	2.42	46,500	1.68	62,682	3.18	0	—	161,738	2.50
1995 Total	27,554	1.96	61,283	1.50	65,283	3.41	0	—	154,119	2.39
1996 Total	51,905	2.67	33,840	2.11	67,648	3.65	0	—	153,393	2.97
1997 Total	56,447	2.52	38,372	2.46	62,187	3.83	0	—	157,006	3.02
1998										
January	4,930	2.53	4,257	2.11	7,446	3.67	0	—	16,632	2.93
February	4,502	2.11	3,117	2.06	3,726	3.42	0	—	11,346	2.53
March	7,851	2.25	4,202	2.14	7,435	3.09	0	—	19,488	2.55
April	4,509	2.47	2,675	2.23	5,702	2.81	0	—	12,886	2.57
May	2,083	2.28	6,119	2.12	1,891	2.70	0	—	10,093	2.26
June	1,938	2.03	5,617	1.98	5,695	2.69	0	—	13,250	2.29
July	1,634	1.97	3,852	2.20	5,679	2.70	0	—	11,166	2.42
August	52	1.87	4,834	1.95	5,676	2.70	1	5.88	10,563	2.35
September	1,481	2.09	2,892	1.81	7,584	2.68	0	—	11,957	2.40
October	2,127	2.03	5,167	1.90	5,679	2.72	3	5.74	12,975	2.28
November	3,630	2.17	5,079	2.00	3,776	2.75	9	5.69	12,494	2.28
December	5,152	2.26	5,323	1.99	5,662	2.73	20	5.68	16,157	2.34
Total	39,891	2.25	53,133	2.04	65,951	2.91	33	5.69	159,007	2.45
1999										
January	2,373	1.91	4,526	1.83	5,587	2.61	24	7.48	12,510	2.20
February	3,360	1.94	4,753	1.74	5,563	2.49	28	7.46	13,704	2.11
March	4,883	1.80	5,950	1.64	5,570	2.75	22	7.41	16,425	2.07
April	2,300	1.79	5,049	1.89	5,699	2.48	19	7.23	13,067	2.14
May	2,512	2.26	6,109	2.29	5,586	2.70	24	7.47	14,231	2.45
June	2,255	2.16	5,278	2.32	3,723	2.41	19	7.34	11,275	2.33
July	2,347	2.21	5,613	2.36	5,675	3.13	19	7.20	13,654	2.66
August	2,419	2.44	5,400	2.75	5,628	2.70	19	7.40	13,466	2.68
September	2,301	2.82	5,267	2.94	5,604	2.95	22	7.35	13,194	2.93
October	2,842	2.63	4,085	3.28	3,723	3.28	14	7.18	10,664	3.11
November	8,019	2.94	5,009	2.96	5,580	2.96	22	5.92	18,630	2.95
December	6,750	2.37	3,986	3.81	5,577	3.81	23	5.88	16,336	3.22
Total	42,361	2.34	61,025	2.44	63,514	2.86	255	7.11	167,155	2.58
2000										
January	^R 7,056	^R 2.49	^R 2,240	^R 2.46	5,569	^R 4.04	^R 36	^R 5.82	^R 14,901	^R 3.07
February	^R 9,033	^R 2.70	6,394	^R 2.62	5,566	^R 4.08	^R 37	^R 5.82	^R 21,030	^R 3.05
March	^R 9,051	^R 2.74	7,641	^R 2.70	3,769	^R 4.18	^R 45	^R 5.82	^R 20,506	^R 3.00
April	^E 6,750	NA	^E 7,641	NA	5,707	NA	NA	NA	^E 20,098	NA
2000 YTD	^E 31,890	NA	^E 23,916	NA	20,611	NA	NA	NA	^E 76,535	NA
1999 YTD	12,916	1.85	20,278	1.77	22,419	2.58	93	7.41	55,706	2.13
1998 YTD	21,792	2.33	14,251	2.13	24,309	3.25	0	—	60,352	2.65

^R Revised Data.^E Estimated Data.

NA Not Available.

— Not Applicable.

Sources: 1994: Energy Information Administration, Form FPC-14,

"Annual Report for Importers and Exporters of Natural Gas." January 1995 through the current month (except estimates): Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports*. Estimated pipeline data (shown with an "E") are taken from data from the National Energy Board of Canada plus EIA estimates. LNG data: Industry reports.

Table 7. Marketed Production of Natural Gas, by State, 1994-2000

(Million Cubic Feet)

Year and Month	Alabama ^b	Alaska	Arizona	California	Colorado	Florida	Kansas
1994 Total	515,272	555,402	752	309,427	453,207	7,486	712,730
1995 Total	519,661	469,550	558	279,555	523,084	6,463	721,436
1996 Total	530,841	480,828	463	286,494	572,071	6,006	712,796
1997 Total	583,272	468,311	452	285,690	637,375	6,114	687,215
1998							
January	46,466	43,382	43	24,752	57,511	503	53,032
February	41,653	39,244	42	22,151	52,954	491	48,698
March	46,476	42,479	53	22,708	58,795	592	52,948
April	46,281	38,540	43	21,952	57,586	531	51,415
May	48,978	35,281	38	23,894	57,916	513	54,334
June	49,638	36,217	34	24,871	55,989	426	52,862
July	50,131	36,171	42	27,157	57,737	486	51,324
August	49,215	36,118	36	29,727	58,584	472	54,059
September	42,308	36,884	32	29,114	57,005	498	43,419
October	47,503	39,958	31	30,467	60,868	423	47,058
November	46,682	39,483	33	29,508	59,592	401	47,359
December	48,447	42,890	33	28,974	61,783	459	47,078
Total	563,779	466,648	457	315,277	696,321	5,796	603,586
1999							
January	32,042	43,848	31	29,268	64,539	517	52,200
February	29,023	39,443	27	26,541	65,679	448	43,801
March	31,836	42,685	36	30,361	64,787	494	47,290
April	28,413	^E 37,537	38	29,808	60,311	459	45,904
May	33,517	^E 33,279	41	30,944	62,881	427	46,147
June	32,295	^E 35,853	45	28,553	61,281	392	46,452
July	32,356	^E 36,229	60	30,744	61,014	503	46,254
August	32,180	34,246	51	31,632	61,142	570	45,902
September	32,532	32,790	43	31,288	58,471	526	44,294
October	32,386	39,580	43	32,560	62,315	528	45,342
November	32,204	40,458	35	32,442	60,588	566	44,094
December	32,917	43,918	28	31,804	59,278	503	45,740
Total	381,702	^E 459,865	478	365,945	742,284	5,933	553,419
2000							
January	32,291	^E 45,584	37	31,011	^E 61,130	499	^E 44,761
February	30,245	^E 40,436	33	28,855	^E 58,455	^E 475	40,690
2000 YTD	62,535	^E 86,020	70	59,866	^E 119,585	^E 974	85,451
1999 YTD	61,066	83,291	59	55,809	130,218	964	96,000
1998 YTD	88,119	82,626	84	46,904	110,465	994	101,730

See footnotes at end of table.

Table 7. Marketed Production of Natural Gas, by State, 1994-2000

(Million Cubic Feet) — Continued

Year and Month	Louisiana ^b	Michigan	Mississippi	Montana	New Mexico	North Dakota	Oklahoma
1994 Total	5,169,705	222,657	63,448	50,416	1,557,689	57,805	1,934,864
1995 Total	5,108,366	238,203	95,533	50,264	1,625,837	49,468	1,811,734
1996 Total	5,289,742	245,740	103,263	50,996	1,554,087	49,674	1,734,887
1997 Total	5,229,821	305,950	107,300	52,437	1,558,633	52,401	1,703,888
1998							
January	453,867	28,460	9,639	4,831	130,265	4,623	158,897
February	409,480	8,278	8,574	4,569	118,164	4,039	126,200
March	459,364	30,780	9,781	4,892	132,729	4,344	136,334
April	452,863	17,823	8,957	4,683	127,544	4,311	134,115
May	471,279	29,198	9,121	4,978	131,488	4,529	140,400
June	451,104	26,958	8,586	4,448	120,632	4,304	136,013
July	454,637	26,171	9,258	4,636	126,924	4,460	134,510
August	457,279	18,896	8,834	4,594	129,164	4,546	139,914
September	363,707	28,491	8,664	4,750	124,152	4,435	134,805
October	433,764	21,816	8,868	5,040	129,640	4,610	138,167
November	431,629	12,013	8,602	5,044	116,404	4,465	134,583
December	448,896	29,193	9,184	5,182	113,991	4,520	130,592
Total	5,287,870	278,076	108,068	57,645	1,501,098	53,185	1,644,531
1999							
January	466,143	20,853	9,154	^E 4,947	134,745	4,331	^E 144,408
February	425,121	8,746	8,678	^E 4,700	134,071	3,858	^E 122,928
March	463,776	39,892	9,933	^E 5,002	134,084	4,220	^E 133,354
April	450,953	22,653	9,426	^E 4,749	134,098	4,298	^E 131,587
May	474,329	25,273	9,708	^E 4,894	134,008	4,335	^E 139,036
June	464,118	25,120	9,480	^E 4,118	133,918	4,329	^E 133,557
July	468,257	24,043	9,542	^E 4,340	133,828	4,570	^E 132,444
August	468,679	19,291	9,406	^E 4,552	133,738	4,540	^E 133,202
September	444,299	24,696	9,198	^E 4,621	135,075	4,431	^E 132,151
October	447,547	13,774	9,050	^E 4,527	136,426	4,613	^E 137,584
November	444,283	21,770	8,608	^E 5,019	^E 127,203	4,576	^E 131,472
December	457,337	32,091	8,840	^E 5,371	^E 126,935	4,622	^E 132,433
Total	5,474,842	278,202	111,022	^E 56,840	^E 1,598,128	52,722	^E 1,604,156
2000							
January	460,309	^R 22,664	^R 8,241	^R 5,720	^E 140,784	4,596	^E 133,257
February	432,654	16,043	^E 7,636	4,917	^E 131,848	4,114	^E 124,665
2000 YTD	892,963	38,708	^E 15,877	10,636	^E 272,632	8,710	^E 257,922
1999 YTD	891,264	29,599	17,832	^E 9,648	268,816	8,188	^E 267,336
1998 YTD	863,347	36,738	18,214	9,400	248,429	8,662	285,097

See footnotes at end of table.

Table 7. Marketed Production of Natural Gas, by State, 1994-2000

(Million Cubic Feet) — Continued

Year and Month	Oregon	Texas ^c	Utah	Wyoming	Other ^a States	U.S. Total
1994 Total	3,221	6,353,844	270,858	696,018	774,724	19,709,525
1995 Total	1,923	6,330,048	241,290	673,775	759,728	19,506,474
1996 Total	1,439	6,470,620	250,767	666,036	805,491	19,812,241
1997 Total	1,173	6,453,873	257,139	738,368	736,679	19,866,093
1998						
January	90	550,623	21,826	66,238	64,219	1,719,267
February	79	497,583	21,758	59,825	56,464	1,520,246
March	96	548,845	23,656	64,659	60,395	1,699,925
April	92	531,219	23,513	61,338	57,355	1,640,161
May	92	545,368	24,967	65,642	57,484	1,705,500
June	90	522,691	23,968	59,655	55,586	1,634,073
July	95	536,998	23,036	63,534	58,630	1,665,937
August	94	542,707	23,681	63,228	56,789	1,677,936
September	90	507,526	21,554	63,059	56,609	1,527,103
October	83	529,662	23,830	65,994	61,915	1,649,698
November	85	509,919	23,045	64,618	57,038	1,590,505
December	80	495,612	22,507	63,523	62,259	1,615,203
Total	1,067	6,318,754	277,340	761,313	704,742	19,645,554
1999						
January	83	542,129	23,467	62,582	^E 60,348	^E 1,695,636
February	84	490,865	21,141	55,832	^E 55,142	^E 1,536,128
March	120	534,240	23,878	67,624	^E 59,456	^E 1,693,066
April	111	507,927	22,076	61,885	^E 55,351	^E 1,607,583
May	113	526,518	22,771	64,838	^E 56,407	^E 1,669,465
June	111	501,865	21,828	63,028	^E 53,875	^E 1,620,216
July	110	521,504	21,707	66,127	^E 55,164	^E 1,648,796
August	74	517,063	21,493	58,535	^E 55,466	^E 1,631,761
September	90	503,267	19,725	66,255	^E 54,270	^E 1,598,021
October	124	525,498	21,610	71,680	^E 59,148	^E 1,644,334
November	134	508,064	21,364	67,983	^E 57,000	^E 1,607,863
December	138	521,846	21,554	73,001	^E 60,056	^E 1,658,412
Total	1,291	6,200,786	262,614	779,369	^E681,684	^E19,611,282
2000						
January	120	527,719	^E 21,803	60,415	^E 58,767	^{RE} 1,659,708
February	101	492,046	^E 20,135	^E 55,087	^E 52,594	^E 1,541,028
2000 YTD	221	1,019,765	^E41,938	^E115,502	^E111,361	^E3,200,736
1999 YTD	167	1,032,994	44,608	118,413	^E115,490	^E3,231,764
1998 YTD	169	1,048,206	43,584	126,063	120,682	3,239,513

^a Includes Arkansas, Illinois, Indiana, Kentucky, Maryland, Missouri, Nebraska, Nevada, New York, Ohio, Pennsylvania, South Dakota, Tennessee, Virginia and West Virginia. The 1999 monthly values for these States are estimated.

^b For Alabama and Louisiana, all data for 1994 through 1998 include Federal Offshore production. For 1999, Alabama data do not include Federal Offshore production, while data for Louisiana include both the Louisiana and Alabama portions of Federal Offshore Production.

^c Federal offshore production volumes are included.

^R Revised Data.

^E Estimated Data.

^{RE} Revised Estimated Data.

Notes: Data for 1994 through 1998 are final. All other data are preliminary unless otherwise indicated. Totals may not equal sum of components because of independent rounding. See Appendix A, Explanatory Notes 1 and 3 for discussion of computation procedures and revision policy.

Sources: 1994-1998: Energy Information Administration (EIA), *Natural Gas Annual* 1998, 1999 through current month; Form EIA-895, "Monthly Quantity of Natural Gas Report," Minerals Management Service reports, and EIA computations.

Table 8. Gross Withdrawals and Marketed Production of Natural Gas by State, February 2000
(Million Cubic Feet)

State	Gross Withdrawals			Repressuring	Nonhydrocarbon Gases Removed ^a	Vented and Flared	Marketed Production
	From Gas Wells	From Oil Wells	Total				
Alabama	32,988	520	33,508	1,284	1,812	167	30,245
Alaska	^E 15,872	^E 281,788	^E 297,660	^E 256,570	0	^E 654	^E 40,436
Arizona	33	0	33	0	0	0	33
California	6,809	25,070	31,878	2,801	149	73	28,855
Colorado	^E 51,132	^E 7,890	^E 59,022	^E 504	0	^E 63	^E 58,455
Florida	0	^E 537	^E 537	0	^E 62	0	^E 475
Kansas	36,985	3,815	40,800	69	0	41	40,690
Louisiana	380,733	57,235	437,968	3,435	0	1,879	432,654
Michigan	13,057	3,264	16,321	115	0	163	16,043
Mississippi	^E 8,368	^E 388	^E 8,756	^E 479	^E 451	^E 190	^E 7,636
Montana	4,331	591	4,922	5	0	0	4,917
New Mexico	^E 124,292	^E 21,718	^E 146,010	^E 888	^E 13,038	^E 237	^E 131,848
North Dakota	1,042	3,294	4,336	0	5	218	4,114
Oklahoma	^E 112,466	^E 12,199	^E 124,665	^E 0	^E 0	^E 0	^E 124,665
Oregon	122	0	122	4	17	0	101
Texas	436,278	105,566	541,844	35,065	12,453	2,280	492,046
Utah	^E 18,328	^E 2,847	^E 21,175	^E 33	0	^E 1,007	^E 20,135
Wyoming	^E 84,954	^E 4,424	^E 89,378	^E 10,829	^E 11,723	^E 11,739	^E 55,087
Other States	^E 50,420	^E 2,786	^E 53,206	^E 86	^E 418	^E 109	^E 52,594
Total	^E1,378,210	^E533,933	^E1,912,143	^E312,166	^E40,129	^E18,818	^E1,541,028

^a See Appendix A, Explanatory Note 1, for a discussion of data on Nonhydrocarbon Gases Removed.

^E Estimated Data.

Notes: All monthly data are considered preliminary until publication of the

Natural Gas Annual for that year. Totals may not equal sum of components because of independent rounding. See Appendix A, Explanatory Notes 1 and 3 for discussion of computation procedures and revision policy.

Sources: Form EIA-895, "Monthly Quantity of Natural Gas Report."

Table 9. Underground Natural Gas Storage - All Operators, 1994-2000

(Volumes in Billion Cubic Feet)

Year and Month	Natural Gas in Underground Storage at End of Period			Change In Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total ^b	Volume	Percent	Injections	Withdrawals	Net Withdrawals ^c
1994 Total^a	4,360	2,606	6,966	284	12.2	2,796	2,508	-288
1995 Total^a	4,349	2,153	6,503	-453	-17.4	2,566	2,974	408
1996 Total^a	4,341	2,173	6,513	19	0.9	2,906	2,911	6
1997 Total^a	4,350	2,175	6,525	2	0.1	2,800	2,824	24
1998								
January	4,347	1,712	6,060	215	14.5	69	538	468
February	4,342	1,426	5,768	286	25.2	75	365	291
March	4,342	1,183	5,524	192	19.4	136	382	246
April	4,339	1,386	5,725	334	31.9	280	80	-200
May	4,341	1,774	6,114	407	29.9	433	42	-391
June	4,335	2,114	6,449	381	22.1	379	52	-327
July	4,378	2,428	6,806	409	20.4	371	54	-317
August	4,340	2,698	7,038	358	15.4	336	58	-278
September	4,341	2,928	7,269	253	9.6	298	74	-224
October	4,342	3,191	7,533	302	10.6	308	46	-262
November	4,344	3,155	7,499	453	16.9	137	168	31
December	4,326	2,730	7,056	554	25.5	83	519	436
Total	—	—	—	—	—	2,905	2,379	-526
1999								
January	4,327	2,094	6,421	381	22.2	55	678	623
February	4,312	1,792	6,104	372	26.2	62	395	333
March	4,361	1,430	5,792	246	20.7	84	381	297
April	4,355	1,514	5,869	131	9.5	203	112	-91
May	4,346	1,847	6,192	72	4.0	380	43	-337
June	4,344	2,157	6,501	54	2.6	345	40	-306
July	4,350	2,390	6,740	-27	-1.1	303	78	-225
August	4,342	2,632	6,974	-66	-2.4	309	70	-238
September	4,360	2,884	7,245	-43	-1.5	352	42	-310
October	4,360	3,026	7,386	-165	-5.2	238	90	-148
November	4,364	2,991	7,355	-164	-5.2	170	200	30
December	4,373	2,509	6,881	-221	-8.1	54	568	514
Total	—	—	—	—	—	2,555	2,697	141
2000								
January	4,363	1,725	6,088	-370	-17.6	48	829	780
February	4,371	1,300	5,672	-491	-27.4	78	532	454
March	4,364	1,150	5,514	-280	-19.6	132	294	162
April	4,363	1,184	5,547	-329	-21.8	181	145	-36
May(STIFS)	^{RE} 4,363	^{RE} 1,439	^{RE} 5,802	^{RE} -408	^{RE} -22.1	^{NA}	^{NA}	^E -255
June(STIFS)	^E 4,363	^E 1,750	^E 6,113	^E -407	^E -18.9	^{NA}	^{NA}	^E -311

^a Total as of December 31.^b Total underground storage capacity at the end of each calendar year (in billion cubic feet): 1994 - 8,043; 1995 - 7,927; 1996 - 8,159; 1997 - 8,128; and 1998 - 8,179.^c Negative numbers indicate the volume of injections in excess of withdrawals. Positive numbers indicate the volume of withdrawals in excess of injections.^E Estimated Data.^{RE} Revised Estimated Data.^{NA} Not Available.

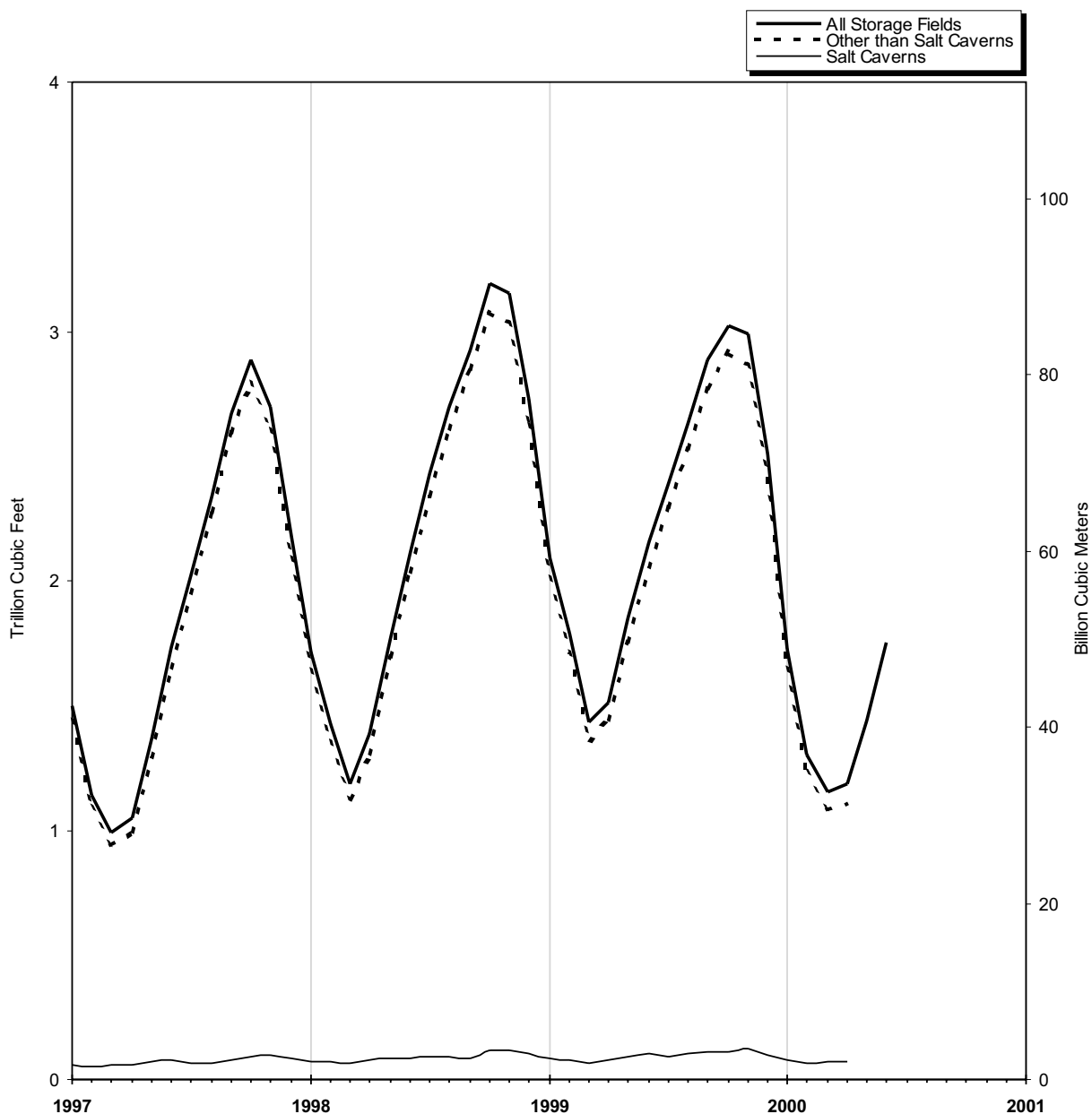
— Not Applicable.

Notes: Data for 1994 through 1998 are final. All other data are

preliminary unless otherwise noted. Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). See Explanatory Note 7 for discussion of revision policy. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia.

Sources: Form EIA-191, "Monthly Underground Gas Storage Report," Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," and STIFS.

Figure 5. Working Gas in Underground Natural Gas Storage in the U.S., 1997-2000



Sources: Energy Information Administration, Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 10. Underground Natural Gas Storage - by Season, 1997-2000

(Volumes in Billion Cubic Feet)

Year, Season and Month	Natural Gas in Underground Storage at End of Period			Change In Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals ^a
October 1997	4,358	2,886	7,244	75	2.7	294	84	-210
1997-1998 Heating Season								
November	4,359	2,699	7,058	150	5.9	113	302	189
December	4,350	2,175	6,525	2	0.1	45	579	533
January	4,347	1,712	6,060	215	14.5	69	538	468
February	4,342	1,426	5,768	286	25.2	75	365	291
March	4,342	1,183	5,524	192	19.4	136	382	246
Total	—	—	—	—	—	438	2,165	1,727
1998 Refill Season								
April	4,339	1,386	5,725	334	31.9	280	80	-200
May	4,341	1,774	6,114	407	29.9	433	42	-391
June	4,335	2,114	6,449	381	22.1	379	52	-327
July	4,378	2,428	6,806	409	20.4	371	54	-317
August	4,340	2,698	7,038	358	15.4	336	58	-278
September	4,341	2,928	7,269	253	9.6	298	74	-224
October	4,342	3,191	7,533	302	10.6	308	46	-262
Total	—	—	—	—	—	2,405	407	-1,998
1998-1999 Heating Season								
November	4,344	3,155	7,499	453	16.9	137	168	31
December	4,326	2,730	7,056	554	25.5	83	519	436
January	4,327	2,094	6,421	381	22.2	55	678	623
February	4,312	1,792	6,104	372	26.2	62	395	333
March	^b 4,361	^b 1,430	5,792	246	20.7	84	381	297
Total	—	—	—	—	—	422	2,141	1,719
1999 Refill Season								
April	4,355	1,514	5,869	131	9.5	203	112	-91
May	4,346	1,847	6,192	72	4.0	380	43	-337
June	4,344	2,157	6,501	54	2.6	345	40	-306
July	4,350	2,390	6,740	-27	-1.1	303	78	-225
August	4,342	2,632	6,974	-66	-2.4	309	70	-238
September	4,360	2,884	7,245	-43	-1.5	352	42	-310
October	4,360	3,026	7,386	-165	-5.2	238	90	-148
Total	—	—	—	—	—	2,130	474	-1,656
1999-2000 Heating Season								
November	4,364	2,991	7,355	-164	-5.2	170	200	30
December	4,373	2,509	6,881	-221	-8.1	54	568	514
January	4,363	1,725	6,088	-370	-17.6	48	829	780
February	4,371	1,300	5,672	-491	-27.4	78	532	454
March	4,364	1,150	5,514	-280	-19.6	132	294	162
Total	—	—	—	—	—	482	2,423	1,940
2000 Refill Season								
April	4,363	1,184	5,547	-329	-21.8	181	145	-36
May(STIFS)	^{RE} 4,363	^{RE} 1,439	^{RE} 5,802	^{RE} -408	^{RE} -22.1	^{NA}	^{NA}	^E -255
June(STIFS)	^E 4,363	^E 1,750	^E 6,113	^E -407	^E -18.9	^{NA}	^{NA}	^E -311

^a Negative numbers indicate the volume of injections in excess of withdrawals. Positive numbers indicate the volume of withdrawals in excess of injections.

^b Reflects one respondent's reclassification of natural gas in underground storage from working gas to base gas.

^E Estimated Data.

^{RE} Revised Estimated Data.

^{NA} Not Available.

— Not Applicable.

Notes: Data for 1997 and 1998 are final. All other data are preliminary unless otherwise noted. Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). See Explanatory

Note 7 for discussion of revision policy. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia.

Sources: Form EIA-191, "Underground Natural Gas Storage Report," Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," and STIFS.

Table 11. Underground Natural Gas Storage - Salt Cavern Storage Fields, 1994 - 2000
(Volumes in Billion Cubic Feet)

Year and Month	Natural Gas in Salt Cavern Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals
1994 Total^a	44	70	113	—	—	142	123	-19
1995 Total^a	60	72	131	2	2.9	194	200	5
1996 Total^a	64	85	149	14	18.8	258	246	-13
1997 Total^a	67	83	150	-4	-3.0	267	274	6
1998								
January	67	69	136	10	21.6	18	31	13
February	66	69	135	18	39.1	18	21	3
March	68	64	131	8	13.8	23	29	6
April	68	80	149	22	38.7	30	12	-18
May	68	83	151	9	12.9	26	23	-3
June	66	83	149	3	4.1	21	23	2
July	66	91	157	25	38.0	26	18	-8
August	66	92	158	25	38.8	24	22	-2
September	67	83	151	5	7.4	24	33	9
October	67	116	183	22	24.4	45	12	-33
November	68	119	186	23	24.5	23	18	-5
December	67	104	171	21	26.0	18	33	15
Total	—	—	—	—	—	297	275	-22
1999								
January	69	84	153	14	19.6	19	41	22
February	67	77	144	10	14.3	15	20	5
March	67	68	135	4	6.0	18	26	8
April	67	77	144	-3	-3.8	27	18	-9
May	67	94	161	11	13.4	29	12	-17
June	65	102	167	19	22.6	21	15	-6
July	65	94	160	3	3.0	16	24	8
August	66	102	168	9	9.6	22	14	-8
September	66	113	179	29	35.0	23	13	-10
October	67	114	181	-1	-1.2	21	19	-1
November	67	122	189	4	3.4	21	17	-4
December	67	100	167	-4	-4.1	18	33	15
Total	—	—	—	—	—	249	253	4
2000								
January	68	75	143	-9	-10.4	15	49	34
February	69	66	135	-11	-14.4	23	21	-2
March	69	69	139	2	2.4	24	20	-4
April	70	74	144	-3	-3.8	24	19	-5

^a Total as of December 31.

— Not Applicable.

Notes: Data for 1994 through 1998 are final. All other data are preliminary unless otherwise noted. See Explanatory Note 7 for discussion of the reporting of underground storage information. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due

to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. Positive net withdrawals indicate the volume of withdrawals in excess of injections. Negative net withdrawals indicate the volume of injections in excess of withdrawals.

Sources: Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 12. Underground Natural Gas Storage - Storage Fields Other than Salt Caverns, 1994-2000

(Volumes in Billion Cubic Feet)

Year and Month	Natural Gas in Non-Salt Cavern Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals
1994 Total^a	4,317	2,536	6,853	—	—	2,654	2,385	-269
1995 Total^a	4,290	2,082	6,371	-455	-17.9	2,372	2,774	403
1996 Total^a	4,277	2,087	6,364	6	0.3	2,647	2,665	18
1997 Total^a	4,283	2,092	6,375	4	0.2	2,533	2,551	18
1998								
January	4,281	1,643	5,923	203	14.2	51	507	456
February	4,276	1,357	5,633	267	24.5	57	344	287
March	4,274	1,119	5,393	184	19.8	113	353	240
April	4,271	1,306	5,576	312	31.5	250	68	-182
May	4,272	1,691	5,963	398	30.9	407	20	-387
June	4,269	2,030	6,300	378	23.0	358	29	-329
July	4,312	2,337	6,649	385	19.8	345	36	-309
August	4,274	2,606	6,880	332	14.7	312	37	-275
September	4,273	2,844	7,118	247	9.6	274	41	-233
October	4,275	3,076	7,350	280	10.1	263	34	-229
November	4,276	3,036	7,313	430	16.6	114	150	36
December	4,259	2,626	6,884	532	25.5	64	485	421
Total	—	—	—	—	—	2,608	2,103	-504
1999								
January	4,257	2,010	6,268	367	22.4	37	638	601
February	4,245	1,714	5,960	363	26.8	47	375	328
March	4,294	1,363	5,657	242	21.6	67	355	289
April	4,288	1,437	5,725	134	10.3	175	94	-81
May	4,279	1,753	6,031	61	3.6	351	31	-320
June	4,279	2,055	6,333	35	1.7	324	24	-300
July	4,285	2,296	6,581	-30	-1.3	287	54	-233
August	4,276	2,530	6,806	-75	-2.9	287	56	-231
September	4,294	2,772	7,066	-73	-2.5	329	29	-300
October	4,293	2,912	7,205	-164	-5.3	217	70	-147
November	4,297	2,869	7,166	-168	-5.5	149	183	34
December	4,306	2,409	6,715	-217	-8.3	36	535	499
Total	—	—	—	—	—	2,306	2,444	138
2000								
January	4,295	1,649	5,944	-361	-17.9	33	779	746
February	4,302	1,234	5,537	-480	-28.0	55	511	455
March	4,295	1,080	5,375	-282	-20.7	109	274	166
April	4,293	1,110	5,403	-326	-22.7	156	126	-30

^a Total as of December 31.

— Not Applicable.

Notes: Data for 1994 through 1998 are final. All other data are preliminary unless otherwise noted. See Explanatory Note 7 for discussion of the reporting of underground storage information. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due

to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. Positive net withdrawals indicate the volume of withdrawals in excess of injections. Negative net withdrawals indicate the volume of injections in excess of withdrawals.

Sources: Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 13. Net Withdrawals from Underground Storage, by State, 1998-2000

(Volumes in Million Cubic Feet)

State	2000				1999		
	April	March	February	January	Total	December	November
Alabama	66	-8	-307	916	-164	189	-134
Arkansas	-287	997	1,228	1,722	233	1,276	423
California	-19,885	-3,144	21,871	27,322	-1,134	23,168	-4,713
Colorado	1,382	6,707	3,627	6,198	-1,151	5,102	-875
Illinois	13,190	8,776	34,403	59,032	-492	38,144	2,249
Indiana	1,350	2,031	1,448	7,049	187	4,137	-2,154
Iowa	1,706	5,207	11,385	21,126	846	21,305	1,096
Kansas	2,275	11,548	9,643	25,461	16,997	22,749	979
Kentucky	3,470	6,759	10,109	21,162	2,256	10,764	2,283
Louisiana	9,828	19,976	38,771	52,444	-4,822	31,136	4,760
Maryland	-633	-65	3,384	5,481	-78	1,417	459
Michigan	-6,666	44,807	80,436	162,410	33,967	97,764	6,940
Minnesota	116	301	298	401	-253	147	-128
Mississippi	527	-1,228	-595	11,377	14,304	8,997	-2,641
Missouri	103	-98	-548	1,122	-557	341	-174
Montana	621	2,164	3,191	4,177	8,194	2,673	1,189
Nebraska	-92	42	1,313	1,019	-294	491	-298
New Mexico	-2,587	208	1,034	1,032	-2,293	814	-1,202
New York	-2,854	6,360	13,702	18,533	8,773	12,598	1,472
Ohio	-5,163	24,219	36,569	58,844	15,699	43,488	8,486
Oklahoma	-5,856	2,165	36,526	45,987	-10,508	15,213	-2,795
Oregon	783	1,766	1,566	2,088	-409	1,381	-592
Pennsylvania	-7,196	11,168	66,917	111,718	20,463	68,921	4,194
Tennessee	18	63	63	175	-28	164	56
Texas	-10,396	-9,237	34,595	54,376	387	38,053	-770
Utah	-4,447	3,012	7,585	10,093	9,193	12,584	957
Virginia	-114	32	105	695	129	467	182
Washington	-893	1,485	2,566	7,755	-2,543	1,684	-38
West Virginia	-4,487	14,440	30,334	57,742	35,234	46,582	10,697
Wyoming	507	1,332	2,373	2,935	-995	2,378	545
AGA Regions							
Producing	-6,496	24,430	121,202	192,398	14,300	118,238	-1,246
Eastern Consuming	-7,304	123,733	289,313	527,024	115,941	346,773	35,355
Western Consuming	-21,815	13,622	43,076	60,969	10,902	49,118	-3,655
Total	-35,615	161,785	453,592	780,391	141,142	514,128	30,454

See footnotes at end of table.

Table 13. Net Withdrawals from Underground Storage, by State, 1998-2000

(Volumes in Million Cubic Feet) — Continued

State	1999						
	October	September	August	July	June	May	April
Alabama	77	-402	-81	-235	-210	-471	-137
Arkansas	-219	-237	-901	-1,116	-1,086	-1,045	-667
California	-4,840	-9,773	2,919	-11,199	-20,737	-27,111	-911
Colorado	-2,419	-4,873	-5,436	-6,692	-5,526	-307	8,881
Illinois	-28,933	-38,601	-30,924	-23,880	-24,188	-27,851	7,599
Indiana	-3,753	-4,225	-2,797	-1,681	-1,625	-758	921
Iowa	-10,941	-13,108	-12,914	-10,783	-6,837	-4,596	86
Kansas	-1,014	-14,496	-9,796	-3,006	-17,080	-12,144	5,085
Kentucky	-1,117	-10,052	-1,241	-3,773	-10,131	-8,328	-2,297
Louisiana	-12,129	-32,350	-3,569	-3,546	-19,988	-22,324	-16,632
Maryland	-3,376	-1,411	-1,954	1,324	93	-2,551	-667
Michigan	-21,286	-45,478	-50,880	-51,556	-51,441	-49,536	-23,148
Minnesota	-175	-272	-250	-308	-172	0	214
Mississippi	1,133	-2,086	-1,088	852	-3,642	-5,105	-2,240
Missouri	-205	-408	-64	6	6	-697	-27
Montana	519	-1,472	-2,542	-1,794	-1,784	-568	1,329
Nebraska	-477	-1,732	-1,004	478	-697	-701	1,168
New Mexico	-260	-2,232	-841	-172	-443	-1,371	1,025
New York	-938	-5,725	-6,853	-5,915	-6,909	-9,935	-5,300
Ohio	-9,284	-25,111	-27,587	-27,798	-27,954	-33,732	-5,317
Oklahoma	-11,483	-15,540	-1,222	-748	-9,556	-14,068	-8,791
Oregon	0	-1,542	-1,313	-2,114	-2,013	168	735
Pennsylvania	-19,002	-41,487	-37,841	-27,925	-36,090	-44,102	-24,525
Tennessee	-57	-105	-104	-76	-107	-143	3
Texas	-11,096	-10,532	-7,923	-6,519	-21,602	-30,819	-15,510
Utah	-1,889	-4,860	-4,582	-7,489	-5,915	-3,772	1,667
Virginia	-110	-418	-207	-209	-211	-273	-184
Washington	-1,402	-402	-2,951	-3,595	-1,765	-786	1,852
West Virginia	-3,299	-20,378	-22,999	-23,517	-26,426	-32,000	-13,958
Wyoming	-306	-1,030	-1,371	-2,294	-1,661	-2,132	-990
AGA Regions							
Producing	-35,067	-77,473	-25,340	-14,255	-73,397	-86,875	-37,730
Eastern Consuming	-102,700	-208,641	-197,450	-175,542	-192,727	-215,674	-65,782
Western Consuming	-10,511	-24,223	-15,526	-35,485	-39,575	-34,509	12,778
Total	-148,279	-310,337	-238,316	-225,282	-305,699	-337,059	-90,735

See footnotes at end of table.

Table 13. Net Withdrawals from Underground Storage, by State, 1998-2000

(Volumes in Million Cubic Feet) — Continued

State	1999			1998			
	March	February	January	Total	December	November	October
Alabama	312	114	813	-447	139	-1	-613
Arkansas	690	1,049	2,066	-1,774	1,245	63	-580
California	9,782	18,491	23,789	-40,969	30,486	-14,022	-23,861
Colorado	3,319	3,684	3,990	-5,072	7,324	-1,757	-2,045
Illinois	27,580	41,907	56,407	-9,780	42,407	9,311	-30,361
Indiana	3,622	2,942	5,558	-921	4,063	-2,296	-2,901
Iowa	5,170	11,814	20,553	-2,954	20,920	-178	-7,251
Kansas	13,977	9,273	22,470	-18,691	14,533	3,580	-8,545
Kentucky	6,081	7,825	12,241	-11,700	10,352	1,731	-5,424
Louisiana	10,263	15,966	43,591	-82,860	38,463	1,355	-36,341
Maryland	1,208	1,982	3,399	-876	1,882	29	-1,312
Michigan	53,123	57,189	112,276	-74,840	60,982	18,759	-27,000
Minnesota	167	238	287	372	438	-84	-187
Mississippi	6,840	3,303	9,981	-10,185	5,464	702	-10,304
Missouri	150	343	170	173	573	-204	-208
Montana	2,410	3,375	4,860	-400	3,962	2,606	-1,532
Nebraska	1,338	442	698	1,466	1,336	625	-308
New Mexico	943	83	1,364	-6,479	-619	-1,243	-1,903
New York	10,688	10,057	15,534	-10,656	6,889	1,047	-4,424
Ohio	33,698	33,362	53,448	-26,672	35,491	7,882	-12,789
Oklahoma	8,079	-881	31,284	-48,008	24,711	106	-19,358
Oregon	1,185	1,717	1,979	-1,278	1,329	49	9
Pennsylvania	44,023	50,445	83,851	-40,009	46,685	858	-20,516
Tennessee	80	131	130	-62	131	-2	-103
Texas	14,152	9,654	43,297	-102,117	36,724	-2,512	-34,274
Utah	5,738	6,185	10,569	676	6,533	2,087	-1,821
Virginia	325	449	317	-510	371	47	-204
Washington	1,113	3,144	603	-539	3,223	-732	718
West Virginia	30,271	36,278	53,983	-28,267	27,238	3,983	-6,935
Wyoming	352	2,050	3,464	-2,719	2,677	-590	-1,425
AGA Regions							
Producing	54,944	38,447	154,055	-270,114	120,522	2,052	-111,305
Eastern Consuming	217,668	255,282	419,379	-206,056	259,459	41,592	-120,349
Western Consuming	24,066	38,885	49,540	-49,929	55,973	-12,444	-30,145
Total	296,678	332,615	622,974	-526,099	435,953	31,200	-261,799

See footnotes at end of table.

Table 13. Net Withdrawals from Underground Storage, by State, 1998-2000

(Volumes in Million Cubic Feet) — Continued

State	1998					
	September	August	July	June	May	April
Alabama	401	-200	9	-623	-144	-245
Arkansas	-817	-1,005	-1,034	-1,100	-1,046	-471
California	-5,931	-7,171	-9,351	-27,432	-29,142	-10,607
Colorado	-5,894	-5,866	-4,055	-3,907	-6,024	3,583
Illinois	-39,382	-32,631	-25,975	-32,534	-25,812	-559
Indiana	-4,532	-4,058	-2,987	-519	-483	929
Iowa	-12,282	-10,097	-14,097	-8,440	-3,579	387
Kansas	-9,036	-11,957	-12,830	-6,032	-18,906	-6,791
Kentucky	-4,214	-7,859	-11,061	-8,191	-11,810	-2,512
Louisiana	-9,007	-20,195	-25,554	-14,745	-22,813	-23,161
Maryland	-809	-1,413	-2,954	-1,266	-816	-1,138
Michigan	-30,308	-52,147	-60,115	-69,950	-69,619	-31,658
Minnesota	-275	-284	-289	-169	0	159
Mississippi	268	-4,119	-6,008	-2,924	-3,418	-3,682
Missouri	-414	-203	8	143	-460	48
Montana	-4,239	-4,524	-2,294	-2,024	-2,570	224
Nebraska	-778	-524	-727	-422	-773	860
New Mexico	-470	-919	-429	-180	-1,120	287
New York	-5,650	-5,731	-7,931	-8,569	-11,697	-4,090
Ohio	-19,356	-27,403	-31,408	-26,039	-36,194	-14,843
Oklahoma	-12,262	-7,283	-7,570	-12,648	-23,402	-19,472
Oregon	-1,141	-1,143	-1,188	-1,968	0	80
Pennsylvania	-28,003	-19,997	-33,256	-39,947	-58,295	-34,442
Tennessee	-102	-112	-134	0	0	0
Texas	-4,692	-12,193	-20,397	-20,094	-27,224	-40,175
Utah	-3,970	-3,554	-3,497	-3,938	-3,543	267
Virginia	-244	-322	-185	-296	-304	-203
Washington	-1,825	-3,645	-313	-2,967	-3,938	1,542
West Virginia	-16,431	-29,122	-28,626	-26,455	-26,087	-14,668
Wyoming	-2,614	-2,007	-2,807	-3,398	-1,332	116
AGA Regions						
Producing	-36,017	-57,671	-73,822	-57,723	-97,929	-93,466
Eastern Consuming	-162,103	-191,819	-219,439	-223,109	-246,072	-102,134
Western Consuming	-25,888	-28,194	-23,795	-45,804	-46,550	-4,634
Total	-224,007	-277,684	-317,056	-326,636	-390,552	-200,234

Notes: This table contains total net withdrawals for each State with natural gas storage facilities. Positive numbers indicate the volume of withdrawals in excess of injections. Negative values indicate the volume of injections in excess of withdrawals. Data through 1998 are final. All other data are preliminary at this time and are not considered final until publication of the *Natural Gas Annual* for that year. The American Gas Association (AGA) publishes weekly estimates of working gas levels in underground storage by

region. AGA defines the Producing Region as Texas, Oklahoma, Kansas, New Mexico, Louisiana, Arkansas, and Mississippi; the Eastern Consuming Region as all States east of the Mississippi River less Mississippi, plus Iowa, Nebraska and Missouri; the Western Consuming Region as all States west of the Mississippi River less the Producing Region and Iowa, Nebraska and Missouri.

Source: Form EIA-191, "Monthly Underground Gas Storage Report."

**Table 14. Activities of Underground Natural Gas Storage Operators, by State,
April 2000**

(Volumes in Million Cubic Feet)

State	Total Storage Capacity	Natural Gas in Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity	
		Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals
Alabama	3,280	1,190	1,112	2,302	599	116.8	51	117
Arkansas	24,191	8,715	3,686	12,401	-671	-15.4	464	177
California	388,370	246,825	142,860	389,685	27,820	24.2	22,080	2,195
Colorado	99,600	48,229	18,556	66,785	3,507	23.3	1,166	2,548
Illinois	898,565	675,781	70,820	746,602	-9,755	-12.1	7,174	20,363
Indiana	113,210	73,873	19,283	93,156	706	3.8	420	1,770
Iowa	273,200	196,700	7,305	204,005	-682	-8.5	247	1,953
Kansas	301,102	179,212	28,348	207,559	-15,393	-35.2	4,747	7,022
Kentucky	219,908	109,116	50,329	159,445	-18,916	-27.3	1,422	4,892
Louisiana	564,062	269,397	81,792	351,188	-86,318	-51.3	12,116	21,944
Maryland	62,000	46,677	4,752	51,429	-2,166	-31.3	1,907	1,273
Michigan	1,071,699	468,947	225,543	694,489	-42,275	-15.8	21,203	14,537
Minnesota	7,000	4,623	1,068	5,691	44	4.3	0	116
Mississippi	134,012	76,784	27,631	104,415	-5,867	-17.5	2,406	2,933
Missouri	31,274	21,600	9,251	30,851	616	7.1	0	103
Montana	371,510	167,350	28,247	195,597	-6,264	-18.1	1,203	1,824
Nebraska	39,469	31,126	1,790	32,916	1,790	0.0	287	195
New Mexico	96,600	29,766	9,131	38,897	2,437	36.4	2,925	338
New York	175,129	103,063	22,695	125,757	-11,898	-34.4	5,756	2,903
Ohio	575,384	349,768	26,330	376,098	-13,211	-33.4	12,677	7,514
Oklahoma	394,827	209,643	56,881	266,525	-43,351	-43.3	15,996	10,141
Oregon	11,623	6,834	1,363	8,197	-178	-11.6	0	783
Pennsylvania	684,842	353,912	108,556	462,468	-49,009	-31.1	26,364	19,168
Tennessee	1,200	340	389	729	68	21.0	0	18
Texas	684,226	250,235	175,623	425,858	-37,803	-17.7	23,005	12,609
Utah	121,980	64,601	13,482	78,083	-505	-3.6	4,955	508
Virginia	4,669	2,394	1,063	3,456	134	14.4	273	159
Washington	37,300	19,000	5,622	24,622	634	12.7	1,893	1,000
West Virginia	733,158	286,578	25,292	311,871	-22,522	-47.1	9,334	4,847
Wyoming	105,869	60,762	15,542	76,304	-916	-5.6	510	1,017
AGA Regions								
Producing	2,199,020	1,023,751	383,092	1,406,843	-186,966	-32.8	61,660	55,164
Eastern Consuming	4,886,987	2,721,065	574,510	3,295,575	-166,521	-22.5	87,115	79,811
Western Consuming	1,143,251	618,224	226,739	844,962	24,142	11.9	31,807	9,992
Total	8,229,259	4,363,040	1,184,340	5,547,380	-329,345	-21.8	180,582	144,967

Notes: Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. The American Gas Association (AGA) publishes weekly estimates of working

gas levels in underground storage by region. AGA defines the Producing Region as Texas, Oklahoma, Kansas, New Mexico, Louisiana, Arkansas, and Mississippi; the Eastern Consuming Region as all States east of the Mississippi River less Mississippi, plus Iowa, Nebraska and Missouri; the Western Consuming Region as all States west of the Mississippi River less the Producing Region and Iowa, Nebraska and Missouri.

Source: Form EIA-191, "Monthly Underground Gas Storage Report."

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1998-2000
(Million Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000		
				March	February	January
Alabama	22,656	22,050	26,385	4,694	9,492	8,470
Alaska	6,003	6,967	5,485	1,764	1,885	2,354
Arizona	15,851	15,520	18,164	4,430	4,618	6,804
Arkansas	NA	19,467	20,510	NA	NA	NA
California	194,805	233,710	220,527	62,814	65,301	66,689
Colorado	NA	50,502	52,887	NA	NA	NA
Connecticut	20,226	18,966	16,720	5,018	7,692	7,516
Delaware	4,638	4,602	3,988	1,178	1,661	1,800
District of Columbia	7,402	7,548	6,828	1,691	^R 3,013	2,698
Florida	6,074	5,282	6,229	1,631	2,360	2,084
Georgia	NA	41,840	54,999	NA	NA	NA
Hawaii	146	141	150	48	49	48
Idaho	8,129	7,981	7,251	2,210	2,602	3,317
Illinois	194,125	216,738	190,770	45,616	63,987	84,522
Indiana	NA	NA	70,010	NA	NA	NA
Iowa	32,730	36,696	34,469	7,679	10,990	14,061
Kansas	34,526	NA	35,834	8,529	12,303	13,693
Kentucky	28,192	29,682	27,224	6,224	8,287	13,682
Louisiana	20,377	20,442	24,679	4,355	7,622	8,400
Maine	NA	429	399	NA	133	165
Maryland	38,953	NA	32,863	8,673	14,316	15,964
Massachusetts	NA	NA	48,483	NA	NA	NA
Michigan	164,066	174,723	154,232	42,048	58,759	63,259
Minnesota	NA	57,832	52,997	12,806	NA	NA
Mississippi	12,533	11,778	13,443	2,481	4,931	5,121
Missouri	51,889	61,465	59,366	12,838	17,895	21,157
Montana	8,079	8,065	8,254	2,231	2,729	3,119
Nebraska	19,686	20,256	21,100	5,735	6,728	7,223
Nevada	NA	12,642	12,984	3,711	3,861	NA
New Hampshire	3,442	3,273	2,967	938	1,274	1,229
New Jersey	NA	NA	92,497	NA	NA	32,352
New Mexico	13,066	15,055	17,164	3,447	4,437	5,183
New York	NA	NA	155,041	47,778	NA	NA
North Carolina	32,297	28,156	28,265	7,685	13,396	11,216
North Dakota	NA	5,204	4,840	1,323	^R 1,698	NA
Ohio	152,053	159,726	139,736	37,454	52,516	62,083
Oklahoma	29,654	32,803	36,912	7,170	11,476	11,008
Oregon	17,354	17,165	15,101	5,032	5,678	6,643
Pennsylvania	NA	120,216	105,304	29,809	NA	48,155
Rhode Island	12,537	8,449	7,903	2,581	7,100	2,857
South Carolina	14,866	13,651	14,865	2,877	6,438	5,552
South Dakota	5,280	5,721	5,599	1,360	1,772	2,149
Tennessee	33,398	31,372	33,108	6,488	12,515	14,395
Texas	105,522	81,490	102,652	17,287	31,342	56,893
Utah	22,149	21,370	23,116	6,792	7,038	8,319
Vermont	1,371	1,260	1,164	396	510	465
Virginia	37,143	35,694	32,427	8,520	13,778	14,846
Washington	NA	NA	30,423	NA	NA	NA
West Virginia	NA	NA	15,110	NA	NA	5,319
Wisconsin	57,167	60,378	54,539	13,084	18,644	25,439
Wyoming	4,768	4,916	5,581	1,441	1,666	1,661
Total	2,143,012	2,236,599	2,151,546	535,627	^R749,892	857,493

See footnotes at end of table.

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	1999					
	Total	December	November	October	September	August
Alabama	43,592	5,881	3,137	1,594	1,212	1,151
Alaska	17,634	2,466	2,127	1,423	870	481
Arizona	32,827	4,643	1,682	1,165	1,006	963
Arkansas	NA	4,645	NA	1,238	980	952
California	568,355	65,661	34,480	25,260	24,491	23,371
Colorado	113,871	15,043	8,328	5,670	3,035	2,802
Connecticut	^R 38,023	4,781	3,046	1,513	^R 1,061	853
Delaware	8,845	1,114	575	278	169	168
District of Columbia	NA	988	1,028	483	325	315
Florida	^R 13,527	1,526	944	^R 738	^R 709	^R 709
Georgia	NA	NA	11,967	7,328	4,086	2,389
Hawaii	524	42	36	44	41	41
Idaho	17,870	2,508	1,526	867	436	359
Illinois	445,054	73,446	38,561	26,429	12,550	9,093
Indiana	NA	^R 22,815	^R 11,612	^R 7,298	^R 3,249	^R 2,775
Iowa	71,541	10,649	5,611	3,470	1,833	1,233
Kansas	NA	9,572	4,233	2,807	1,572	1,696
Kentucky	59,662	10,875	5,456	2,628	1,402	1,190
Louisiana	44,525	5,696	3,249	2,069	1,733	1,649
Maine	^R 962	151	95	^R 69	29	25
Maryland	NA	10,623	6,241	3,525	1,951	1,733
Massachusetts	NA	NA	NA	NA	NA	NA
Michigan	349,334	47,305	29,664	18,342	7,838	6,432
Minnesota	NA	NA	NA	7,112	3,367	2,523
Mississippi	NA	3,161	1,650	883	796	690
Missouri	112,803	14,561	6,894	4,181	2,748	2,296
Montana	19,684	2,842	1,983	1,342	636	378
Nebraska	40,412	5,117	2,727	2,131	792	1,118
Nevada	28,924	4,420	2,008	1,214	958	926
New Hampshire	6,626	783	563	311	161	142
New Jersey	NA	NA	NA	NA	NA	NA
New Mexico	39,727	10,279	4,107	2,293	1,029	805
New York	NA	NA	NA	NA	NA	NA
North Carolina	53,069	6,933	3,954	1,684	1,037	924
North Dakota	NA	NA	960	662	301	197
Ohio	NA	46,581	27,730	17,320	6,865	NA
Oklahoma	62,023	7,527	3,631	2,219	1,513	1,444
Oregon	37,974	5,309	3,060	1,592	921	811
Pennsylvania	240,754	34,006	19,778	11,580	5,776	4,808
Rhode Island	16,601	1,736	1,227	691	445	399
South Carolina	25,708	3,805	2,096	737	488	448
South Dakota	11,766	1,628	918	607	300	224
Tennessee	NA	6,612	4,257	1,936	1,526	1,162
Texas	167,593	21,575	10,810	6,857	5,848	5,300
Utah	55,474	9,614	5,321	3,567	2,285	1,484
Vermont	2,585	296	214	124	59	57
Virginia	NA	10,564	5,707	2,928	1,488	1,404
Washington	NA	NA	NA	NA	NA	NA
West Virginia	NA	NA	NA	1,349	688	NA
Wisconsin	127,909	21,789	11,462	7,988	3,442	2,821
Wyoming	11,926	1,525	879	746	508	226
Total	^R4,675,385	^R650,401	^R371,001	^R233,006	^R136,757	^R116,994

See footnotes at end of table.

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	1999					
	July	June	May	April	March	February
Alabama	1,287	1,387	1,914	3,979	6,535	6,297
Alaska	486	559	939	1,315	2,075	2,223
Arizona	1,065	1,352	2,109	3,319	3,694	5,415
Arkansas	998	1,030	1,641	3,732	5,157	5,260
California	25,721	32,952	40,596	62,112	67,403	77,973
Colorado	3,145	4,769	9,761	10,816	13,735	15,467
Connecticut	^R 1,060	^R 1,242	1,879	3,623	5,780	6,082
Delaware	201	254	497	989	1,574	1,469
District of Columbia	NA	399	687	1,269	2,324	2,309
Florida	^R 759	^R 802	841	1,217	1,651	1,500
Georgia	2,246	1,525	NA	4,937	11,239	13,564
Hawaii	45	43	44	46	44	48
Idaho	428	645	1,244	1,875	2,257	2,633
Illinois	9,972	11,127	15,873	31,264	61,443	61,466
Indiana	^R 2,810	^R 3,467	^R 5,926	NA	NA	NA
Iowa	1,825	1,597	3,082	5,544	9,861	10,655
Kansas	1,556	2,170	3,603	6,284	NA	NA
Kentucky	1,174	1,336	1,806	4,113	9,268	8,782
Louisiana	1,761	1,908	2,264	3,754	5,450	5,871
Maine	22	^R 26	^R 40	76	131	133
Maryland	NA	2,172	NA	6,125	NA	NA
Massachusetts	NA	NA	NA	NA	NA	17,836
Michigan	6,908	10,413	16,098	31,611	53,870	52,118
Minnesota	2,243	3,103	4,967	8,560	15,337	17,086
Mississippi	784	813	1,063	NA	3,299	3,016
Missouri	2,557	3,089	5,321	9,692	16,624	18,572
Montana	518	645	1,380	1,894	2,114	2,494
Nebraska	1,003	1,180	2,351	3,735	5,726	5,954
Nevada	945	1,240	1,853	2,718	3,349	4,332
New Hampshire	153	195	371	672	991	1,036
New Jersey	NA	NA	NA	NA	NA	NA
New Mexico	956	1,123	1,650	2,431	4,439	4,092
New York	NA	NA	NA	NA	NA	NA
North Carolina	1,118	1,316	2,605	5,341	9,456	7,485
North Dakota	232	266	627	984	1,318	1,565
Ohio	6,624	7,972	12,577	26,862	51,348	49,202
Oklahoma	1,657	1,923	3,079	6,228	8,399	9,446
Oregon	839	1,635	2,754	3,888	5,047	5,783
Pennsylvania	5,112	6,518	11,260	21,700	37,498	36,752
Rhode Island	448	557	949	1,702	2,704	2,662
South Carolina	492	570	1,195	2,226	4,375	3,588
South Dakota	274	324	629	1,140	1,486	1,719
Tennessee	1,066	1,422	NA	NA	7,650	8,927
Texas	5,982	6,729	8,323	14,678	18,993	22,662
Utah	2,254	1,648	2,663	5,267	5,425	7,725
Vermont	56	77	159	284	377	387
Virginia	1,524	1,605	NA	5,135	11,359	11,272
Washington	NA	NA	NA	NA	NA	NA
West Virginia	533	656	NA	NA	NA	4,946
Wisconsin	2,675	3,272	5,018	9,062	16,429	17,018
Wyoming	310	497	1,095	1,225	1,313	1,674
Total	^R 127,422	^R 153,857	^R 233,261	416,086	657,969	679,258

See footnotes at end of table.

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	1999	1998				
	January	Total	December	November	October	September
Alabama	9,218	46,544	4,447	2,468	1,320	1,196
Alaska	2,668	15,617	2,183	1,858	1,346	818
Arizona	6,411	36,100	4,666	2,008	1,136	940
Arkansas	9,049	38,190	4,550	2,668	1,109	861
California	88,334	549,931	68,831	40,200	26,159	22,038
Colorado	21,300	110,839	14,812	8,806	4,366	2,806
Connecticut	7,104	35,329	4,442	3,224	1,518	927
Delaware	1,560	7,755	895	571	231	176
District of Columbia	2,915	13,249	1,563	1,088	459	340
Florida	2,130	14,102	1,127	842	685	657
Georgia	17,037	107,398	15,049	9,441	4,325	2,889
Hawaii	49	535	44	40	39	41
Idaho	3,090	16,002	2,438	1,510	657	316
Illinois	93,829	409,812	63,990	43,853	21,536	10,506
Indiana	32,227	140,122	20,031	13,541	6,497	3,221
Iowa	16,180	68,901	10,514	6,345	3,030	1,435
Kansas	NA	70,217	8,767	5,820	2,322	1,479
Kentucky	11,632	55,545	9,289	6,112	2,220	1,150
Louisiana	9,121	47,574	4,987	2,703	1,785	1,719
Maine	165	910	132	95	62	27
Maryland	14,660	68,057	9,224	6,485	2,863	1,882
Massachusetts	12,570	102,062	12,366	9,367	4,301	2,588
Michigan	68,735	319,701	42,328	29,671	15,956	7,580
Minnesota	25,409	110,449	18,639	12,193	5,319	2,678
Mississippi	5,463	24,847	2,556	1,524	805	725
Missouri	26,270	110,779	13,873	8,099	3,355	2,627
Montana	3,457	19,172	2,931	2,069	1,266	477
Nebraska	8,576	40,771	4,230	3,386	1,623	883
Nevada	4,962	30,023	4,335	2,526	1,367	824
New Hampshire	1,246	6,267	739	566	294	159
New Jersey	NA	196,658	25,091	17,413	8,720	5,100
New Mexico	6,524	35,877	7,299	3,552	1,171	841
New York	NA	339,512	41,937	30,010	15,308	9,546
North Carolina	11,215	50,786	5,735	4,062	1,217	973
North Dakota	2,320	10,092	1,427	1,016	475	198
Ohio	59,175	296,576	43,384	30,086	16,290	6,390
Oklahoma	14,958	66,521	7,513	4,245	1,743	1,449
Oregon	6,336	34,417	5,555	3,180	1,445	767
Pennsylvania	45,967	217,929	29,772	21,159	10,204	5,161
Rhode Island	3,083	16,461	1,883	1,408	645	436
South Carolina	5,687	25,430	2,818	1,726	575	471
South Dakota	2,516	11,646	1,669	1,157	533	248
Tennessee	14,795	59,386	8,043	4,397	1,447	1,159
Texas	39,835	199,454	28,302	12,931	7,323	5,893
Utah	8,220	56,843	9,846	5,820	4,472	1,916
Vermont	496	2,454	289	213	102	114
Virginia	13,064	63,186	9,067	6,203	2,499	1,467
Washington	NA	61,936	7,989	4,731	2,427	1,667
West Virginia	6,230	29,664	3,974	2,791	1,300	623
Wisconsin	26,931	115,946	18,710	11,701	6,381	2,723
Wyoming	1,929	12,702	1,636	1,214	773	310
Total	899,373	4,520,276	615,913	398,094	202,996	121,417

^R Revised Data.

NA Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and

revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1998-2000
(Million Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000		
				March	February	January
Alabama	10,423	10,448	12,216	2,485	4,156	3,783
Alaska	7,125	9,415	8,564	2,242	2,070	2,812
Arizona	11,008	10,659	11,214	3,496	3,414	4,098
Arkansas	NA	12,426	12,722	NA	NA	NA
California	73,544	90,294	71,605	23,659	23,459	26,427
Colorado	NA	27,877	26,619	NA	NA	NA
Connecticut	18,042	18,462	16,228	5,601	7,072	5,370
Delaware	2,269	2,980	2,616	453	874	942
District of Columbia	6,659	7,368	6,941	2,045	^R 2,274	2,340
Florida	14,419	11,746	11,632	4,580	^R 4,816	^R 5,023
Georgia	NA	18,758	24,188	NA	NA	NA
Hawaii	452	453	459	150	149	153
Idaho	5,365	5,342	4,950	1,486	1,722	2,156
Illinois	81,413	86,267	76,494	19,454	27,375	34,585
Indiana	NA	NA	32,747	NA	NA	NA
Iowa	18,779	21,230	20,324	4,411	6,245	8,123
Kansas	25,672	NA	20,925	7,180	8,706	9,786
Kentucky	16,965	16,627	14,808	3,778	6,411	6,775
Louisiana	7,523	8,939	9,620	1,923	2,796	2,804
Maine	NA	1,152	1,073	NA	341	454
Maryland	21,092	NA	22,369	6,603	8,382	6,107
Massachusetts	NA	NA	39,870	NA	NA	NA
Michigan	78,843	82,413	72,296	21,785	26,708	30,349
Minnesota	NA	40,149	36,738	9,700	12,925	NA
Mississippi	8,972	NA	8,760	1,889	3,051	4,032
Missouri	28,302	30,773	29,641	7,275	10,534	10,494
Montana	5,542	4,946	5,405	1,540	1,850	2,152
Nebraska	11,918	13,527	13,398	3,288	^R 4,106	^R 4,524
Nevada	8,333	7,761	8,367	2,632	^R 2,517	^R 3,184
New Hampshire	NA	3,408	3,059	NA	1,270	1,317
New Jersey	NA	NA	59,663	NA	NA	25,628
New Mexico	10,145	12,123	11,445	3,042	3,255	3,847
New York	NA	NA	127,284	65,125	NA	NA
North Carolina	19,099	16,791	16,691	4,856	7,698	6,545
North Dakota	NA	4,894	4,464	1,191	^R 1,541	NA
Ohio	82,310	79,372	73,040	22,401	28,924	30,984
Oklahoma	14,770	18,163	20,696	3,866	5,725	5,179
Oregon	11,698	11,913	10,302	3,466	^R 3,833	4,399
Pennsylvania	65,010	63,968	58,078	16,714	23,431	24,866
Rhode Island	5,714	5,310	4,976	1,539	2,137	2,037
South Carolina	8,185	7,745	8,116	2,047	3,190	2,948
South Dakota	4,328	4,366	4,241	1,344	1,367	1,617
Tennessee	23,749	22,445	22,933	4,643	8,850	10,255
Texas	64,673	64,858	56,232	16,026	21,581	27,066
Utah	12,401	11,846	12,591	3,890	3,901	4,611
Vermont	1,190	1,117	1,304	337	428	425
Virginia	25,010	24,741	24,593	6,571	9,058	9,381
Washington	NA	NA	19,525	NA	NA	NA
West Virginia	9,679	10,847	9,980	2,761	3,011	3,907
Wisconsin	34,655	39,399	33,911	8,525	11,346	14,784
Wyoming	3,945	3,588	4,229	1,439	1,173	1,334
Total	1,225,918	1,251,902	1,210,144	356,233	^R416,835	^R452,850

See footnotes at end of table.

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	1999					
	Total	December	November	October	September	August
Alabama	28,887	3,372	2,598	2,176	1,711	1,635
Alaska	27,122	3,432	2,998	2,185	1,520	1,311
Arizona	31,242	3,448	2,220	1,910	1,809	1,683
Arkansas	NA	1,176	NA	NA	NA	1,520
California	262,681	22,066	18,795	15,657	16,411	20,556
Colorado	NA	7,790	4,949	NA	2,616	NA
Connecticut	^R 47,328	5,281	3,890	2,641	^R 2,550	2,449
Delaware	6,029	635	388	305	179	159
District of Columbia	NA	745	1,301	896	862	840
Florida	^R 36,308	3,360	2,920	2,344	^R 2,413	^R 2,257
Georgia	NA	NA	4,055	2,367	1,400	1,332
Hawaii	1,749	147	145	144	144	140
Idaho	12,624	1,668	1,029	676	459	420
Illinois	187,862	26,945	15,072	11,908	6,919	6,187
Indiana	NA	NA	NA	^R 4,464	^R 2,796	^R 2,399
Iowa	44,813	6,400	3,271	2,575	1,626	1,246
Kansas	NA	4,675	2,480	2,000	1,792	1,958
Kentucky	^R 36,008	5,357	2,931	1,860	1,189	^R 1,552
Louisiana	^R 23,724	2,098	1,939	1,327	^R 1,315	1,484
Maine	^R 2,576	353	247	^R 186	78	74
Maryland	NA	7,058	4,901	3,672	2,663	2,495
Massachusetts	NA	NA	NA	NA	NA	NA
Michigan	175,362	22,733	14,306	9,440	5,870	4,984
Minnesota	89,025	12,542	7,993	5,737	3,175	2,956
Mississippi	NA	2,405	1,686	1,079	1,047	1,063
Missouri	63,897	7,760	3,964	2,805	2,423	2,080
Montana	11,931	1,576	1,101	733	426	346
Nebraska	28,000	3,012	1,787	1,156	1,067	772
Nevada	^R 22,448	2,671	1,768	1,403	1,268	^R 1,247
New Hampshire	NA	901	616	384	221	^R 204
New Jersey	NA	NA	NA	NA	NA	NA
New Mexico	30,883	4,876	2,380	1,648	1,399	1,295
New York	NA	NA	NA	NA	NA	NA
North Carolina	38,899	4,516	2,935	2,132	1,842	1,595
North Dakota	NA	NA	913	635	338	262
Ohio	NA	22,376	14,754	9,003	4,789	NA
Oklahoma	38,315	3,488	2,622	2,100	1,552	1,677
Oregon	28,340	3,269	2,256	1,486	1,092	983
Pennsylvania	143,660	19,024	13,226	8,541	5,168	4,672
Rhode Island	11,838	1,019	1,309	651	454	334
South Carolina	^R 20,602	2,409	1,676	1,251	1,144	1,073
South Dakota	9,578	1,228	736	522	301	267
Tennessee	NA	5,515	3,988	3,225	2,919	2,265
Texas	187,948	19,076	15,141	11,359	11,568	12,805
Utah	30,361	4,901	2,725	1,873	1,257	902
Vermont	2,409	258	209	143	81	77
Virginia	59,723	7,458	5,005	3,541	2,617	2,671
Washington	NA	NA	NA	NA	NA	NA
West Virginia	NA	NA	2,474	1,960	^R 1,239	^R 1,359
Wisconsin	87,810	12,700	7,385	5,823	2,968	3,189
Wyoming	^R 9,262	1,166	776	678	332	174
Total	^R3,052,027	355,458	254,500	^R187,597	^R143,719	^R140,349

See footnotes at end of table.

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1998-2000
(Million Cubic Feet) — Continued

State	1999					
	July	June	May	April	March	February
Alabama	1,626	1,628	1,505	2,190	3,240	3,145
Alaska	1,213	1,326	1,759	1,962	3,009	3,088
Arizona	1,846	2,155	2,519	2,994	3,173	3,587
Arkansas	1,303	NA	NA	2,508	3,392	3,510
California	17,100	17,228	21,902	22,672	29,559	28,130
Colorado	2,630	3,359	5,544	NA	7,598	8,919
Connecticut	2,535	2,591	3,204	3,724	5,831	6,038
Delaware	182	215	350	637	998	944
District of Columbia	NA	940	1,249	1,976	2,334	2,549
Florida	^R 2,280	^R 2,785	2,793	3,408	3,962	3,747
Georgia	1,333	1,477	NA	2,968	5,657	5,897
Hawaii	144	143	143	147	142	158
Idaho	425	520	852	1,233	1,532	1,734
Illinois	6,218	5,979	8,316	14,051	24,495	26,217
Indiana	^R 1,873	^R 2,886	^R 3,440	^R 6,850	NA	12,336
Iowa	1,520	1,406	1,762	3,777	6,196	6,154
Kansas	1,687	1,504	2,018	3,336	NA	NA
Kentucky	1,014	1,218	1,690	2,570	5,149	4,979
Louisiana	1,416	1,493	1,625	2,087	2,520	2,729
Maine	75	90	122	199	357	341
Maryland	2,557	2,710	NA	5,678	NA	NA
Massachusetts	NA	4,936	5,322	9,335	10,580	NA
Michigan	5,465	6,183	9,050	14,920	25,952	25,441
Minnesota	2,645	2,860	4,058	6,911	11,125	12,637
Mississippi	1,054	1,078	1,204	NA	2,676	2,196
Missouri	3,128	2,471	3,258	5,235	8,535	9,736
Montana	423	492	734	1,153	1,308	1,542
Nebraska	1,074	1,123	2,174	2,308	3,484	4,246
Nevada	^R 1,249	1,400	1,703	1,977	2,372	2,486
New Hampshire	212	^R 221	NA	658	1,026	1,070
New Jersey	NA	NA	NA	NA	NA	NA
New Mexico	1,149	1,302	2,306	2,404	3,324	3,748
New York	NA	NA	NA	NA	NA	NA
North Carolina	1,586	1,698	2,221	3,583	5,572	4,826
North Dakota	279	286	623	909	1,253	1,558
Ohio	4,701	5,540	7,871	15,260	24,202	26,668
Oklahoma	1,697	938	2,265	3,813	4,620	5,679
Oregon	1,128	1,462	2,053	2,699	3,462	3,897
Pennsylvania	4,536	5,041	6,751	12,734	20,162	21,547
Rhode Island	501	526	650	1,085	1,731	1,686
South Carolina	1,127	1,109	1,343	^R 1,725	^R 2,552	2,236
South Dakota	313	438	493	914	1,149	1,343
Tennessee	2,287	3,361	2,601	NA	6,378	6,629
Texas	12,486	12,020	12,790	15,844	17,651	19,696
Utah	1,090	989	1,858	2,920	3,068	4,198
Vermont	66	91	140	227	334	321
Virginia	2,613	2,584	3,250	5,242	7,620	8,070
Washington	NA	NA	NA	NA	NA	NA
West Virginia	1,235	^R 1,346	1,524	2,253	3,496	3,389
Wisconsin	3,056	2,948	3,362	6,980	11,437	11,592
Wyoming	315	448	844	941	1,070	^R 1,166
Total	^R137,153	^R142,515	^R179,585	^R259,249	^R378,167	^R393,447

See footnotes at end of table.

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	1999	1998				
	January	Total	December	November	October	September
Alabama	4,063	25,707	2,414	1,716	1,248	1,091
Alaska	3,318	27,079	3,372	2,668	2,318	1,619
Arizona	3,899	31,940	3,388	2,352	1,900	1,738
Arkansas	5,524	28,063	3,169	1,999	1,359	1,143
California	32,605	284,885	31,538	26,959	23,016	22,759
Colorado	11,360	63,145	7,432	4,973	3,321	2,371
Connecticut	6,594	42,410	4,986	3,251	2,678	2,033
Delaware	1,038	5,592	629	448	243	180
District of Columbia	2,486	16,866	1,480	1,205	879	833
Florida	4,038	37,743	3,320	2,818	2,603	2,556
Georgia	7,205	55,431	5,531	4,094	3,045	2,584
Hawaii	153	1,747	151	143	132	140
Idaho	2,076	11,712	1,640	1,045	577	386
Illinois	35,555	174,747	24,727	17,109	9,948	6,521
Indiana	16,862	73,184	9,557	7,058	4,311	2,897
Iowa	8,881	43,028	6,006	4,261	2,402	1,210
Kansas	NA	41,788	4,591	3,019	1,588	1,323
Kentucky	6,499	32,468	4,714	3,198	1,601	1,089
Louisiana	3,691	24,049	2,224	1,707	1,352	1,285
Maine	454	2,456	337	247	165	78
Maryland	9,013	57,432	6,433	4,928	3,287	2,832
Massachusetts	6,662	90,099	6,635	7,440	5,698	2,359
Michigan	31,020	163,400	20,671	15,174	8,608	5,685
Minnesota	16,386	82,377	12,652	8,896	5,356	2,717
Mississippi	NA	21,360	2,075	1,512	1,155	1,327
Missouri	12,503	62,000	7,177	4,415	2,389	2,192
Montana	2,096	12,961	1,925	1,340	845	439
Nebraska	5,797	28,911	3,934	2,218	1,036	963
Nevada	2,903	23,347	2,565	1,855	1,307	1,110
New Hampshire	1,312	6,808	810	612	371	222
New Jersey	NA	146,654	18,767	12,883	8,677	7,010
New Mexico	5,051	27,395	4,125	2,233	1,249	1,090
New York	NA	335,800	34,796	27,494	20,887	16,899
North Carolina	6,392	36,427	3,847	2,741	1,767	1,594
North Dakota	2,083	10,085	1,362	1,020	547	324
Ohio	28,502	157,061	21,929	14,894	6,706	4,995
Oklahoma	7,865	43,910	5,463	2,771	1,644	1,628
Oregon	4,554	26,024	3,619	2,681	1,291	1,023
Pennsylvania	22,259	131,036	16,940	12,808	7,032	4,507
Rhode Island	1,892	11,482	1,338	1,019	628	483
South Carolina	2,957	19,829	1,926	1,531	1,156	1,065
South Dakota	1,873	9,265	1,305	913	363	269
Tennessee	9,437	52,406	5,924	4,053	2,520	2,390
Texas	27,511	169,613	19,965	14,533	10,107	12,410
Utah	4,580	31,091	4,934	3,202	2,083	1,028
Vermont	462	2,979	401	276	165	125
Virginia	9,051	58,318	7,186	5,334	3,287	2,449
Washington	NA	45,673	5,595	3,442	2,102	1,869
West Virginia	3,961	24,991	2,963	2,345	1,579	1,237
Wisconsin	16,370	81,375	11,803	8,411	4,360	3,317
Wyoming	1,352	10,423	1,822	927	493	343
Total	480,288	3,004,570	362,095	264,170	173,381	139,737

^R Revised Data.

NA Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. Gas volumes delivered for use as vehicle fuel are included in the annual

total but not in the monthly components. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1998-2000

(Million Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000		
				March	February	January
Alabama	53,832	52,695	52,790	18,233	17,653	17,947
Alaska	20,767	19,147	19,412	7,192	6,390	7,185
Arizona	6,331	6,888	7,159	2,173	2,076	2,081
Arkansas	42,480	37,212	37,338	13,754	13,844	14,883
California	268,623	199,531	183,695	86,700	86,174	95,749
Colorado	NA	17,853	25,415	NA	^R 7,444	NA
Connecticut	10,538	8,733	9,792	3,619	3,437	3,481
Delaware	7,384	5,718	4,636	2,675	2,254	2,455
District of Columbia	0	0	0	0	0	0
Florida	36,036	34,302	31,971	12,666	11,187	12,183
Georgia	NA	38,614	46,601	NA	NA	NA
Hawaii	136	104	0	46	45	44
Idaho ^a	8,922	9,097	9,968	2,904	2,883	3,135
Illinois	95,182	93,047	90,408	29,119	31,511	34,552
Indiana	NA	NA	81,165	NA	NA	NA
Iowa	28,889	30,959	30,384	8,914	9,865	10,110
Kansas	28,704	NA	26,550	9,141	9,069	10,494
Kentucky	27,469	26,793	26,651	8,359	9,248	9,863
Louisiana	267,626	240,733	232,803	87,213	85,238	95,174
Maine	NA	586	574	NA	138	278
Maryland	9,572	10,056	9,696	3,956	3,448	2,168
Massachusetts	NA	NA	33,644	NA	NA	NA
Michigan	93,547	83,311	91,912	31,364	30,858	31,324
Minnesota	NA	31,723	30,049	8,894	NA	11,720
Mississippi	20,254	NA	21,899	7,193	6,812	6,248
Missouri	20,123	NA	20,368	6,620	6,938	6,565
Montana	6,920	7,370	6,022	2,223	2,555	2,142
Nebraska	10,778	10,668	12,993	4,020	3,272	3,485
Nevada	8,606	8,506	5,774	2,904	^R 2,878	2,824
New Hampshire	NA	1,515	1,499	NA	514	541
New Jersey	NA	NA	59,401	NA	NA	25,739
New Mexico	6,791	NA	6,067	2,701	^R 1,929	^R 2,161
New York	90,442	NA	77,445	36,988	28,916	24,539
North Carolina	34,623	30,446	29,729	11,298	10,971	12,354
North Dakota	3,596	6,316	5,502	1,242	^R 1,186	1,169
Ohio	99,029	97,020	99,725	30,732	32,879	35,417
Oklahoma	37,129	43,454	51,223	11,505	12,730	12,894
Oregon	28,883	27,569	25,558	9,176	9,451	10,256
Pennsylvania	75,217	69,153	65,146	25,628	25,178	24,411
Rhode Island	9,369	8,880	9,780	2,490	3,105	3,774
South Carolina	26,843	26,652	27,057	9,720	8,630	8,493
South Dakota	1,355	1,447	1,573	410	474	471
Tennessee	40,193	39,038	40,242	12,525	13,886	13,783
Texas	422,766	488,982	485,523	136,980	164,715	121,072
Utah	11,292	10,772	13,126	3,861	3,661	3,771
Vermont	947	833	621	350	357	240
Virginia	24,148	19,392	20,702	7,136	9,755	7,257
Washington	NA	NA	36,407	NA	NA	NA
West Virginia	NA	NA	14,254	NA	NA	4,249
Wisconsin	48,847	46,500	45,237	14,675	16,048	18,124
Wyoming	NA	NA	16,552	4,339	^R 5,520	NA
Total	2,344,584	2,238,041	2,282,038	765,921	^R791,776	^R786,887

See footnotes at end of table.

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	1999					
	Total	December	November	October	September	August
Alabama	204,829	18,152	17,655	17,404	16,497	16,973
Alaska	74,491	6,917	6,876	6,613	4,738	4,784
Arizona	26,246	2,231	1,903	1,910	2,160	2,276
Arkansas	NA	15,108	12,718	13,130	12,362	12,415
California	944,597	78,551	87,915	104,100	98,766	94,185
Colorado	NA	7,109	7,020	5,262	5,761	5,730
Connecticut	31,800	3,499	3,143	2,637	2,283	2,308
Delaware	21,948	2,324	1,787	1,878	1,798	1,670
District of Columbia	0	0	0	0	0	0
Florida	142,104	11,513	11,472	12,236	11,153	12,870
Georgia	NA	NA	NA	NA	NA	NA
Hawaii	463	42	42	39	39	41
Idaho ^a	33,831	3,033	2,821	2,941	2,735	2,173
Illinois	309,467	31,510	26,906	24,758	22,294	21,598
Indiana	NA	^R 30,100	^R 25,974	^R 24,586	^R 23,198	^R 22,844
Iowa	103,860	8,319	8,799	8,267	7,486	7,425
Kansas	NA	8,872	6,513	^R 5,881	8,069	10,994
Kentucky	92,683	8,792	8,290	7,899	6,954	6,321
Louisiana	969,981	87,508	82,412	83,388	75,786	78,575
Maine	2,507	281	219	279	190	210
Maryland	39,858	3,803	3,163	3,333	3,328	3,525
Massachusetts	NA	NA	NA	NA	NA	9,414
Michigan	285,977	28,881	26,811	21,628	19,077	18,271
Minnesota	NA	NA	8,081	7,735	7,064	9,164
Mississippi	NA	7,625	7,206	6,962	6,310	6,287
Missouri	NA	7,471	6,425	4,991	4,689	4,815
Montana	23,091	2,327	2,039	1,649	1,305	1,326
Nebraska	^R 40,990	2,542	2,490	3,600	^R 3,992	3,949
Nevada	33,250	3,204	2,651	2,826	2,795	2,745
New Hampshire	5,787	413	376	571	471	478
New Jersey	NA	NA	NA	NA	NA	NA
New Mexico	NA	3,469	3,257	NA	NA	NA
New York	NA	25,997	26,228	22,097	22,229	NA
North Carolina	^R 115,427	11,492	10,003	^R 8,709	8,712	10,082
North Dakota	NA	NA	1,424	1,201	1,295	1,130
Ohio	NA	31,330	28,638	27,088	24,938	NA
Oklahoma	^R 172,363	^R 13,782	^R 13,524	^R 12,642	^R 15,620	^R 13,952
Oregon	^R 108,081	10,604	10,619	9,406	8,301	^R 8,574
Pennsylvania	242,580	22,035	20,585	19,248	18,426	18,582
Rhode Island	34,857	3,447	2,922	2,322	2,535	2,496
South Carolina	103,249	9,401	9,184	9,005	7,996	7,948
South Dakota	5,036	442	445	466	305	437
Tennessee	^R 151,339	12,231	11,791	14,210	14,597	^R 11,737
Texas	NA	139,558	164,006	160,531	182,830	142,569
Utah	40,988	3,853	3,628	3,582	3,192	3,180
Vermont	2,819	327	273	261	183	176
Virginia	95,232	9,027	5,865	6,033	8,336	11,139
Washington	NA	NA	NA	NA	NA	NA
West Virginia	NA	NA	NA	3,458	3,220	3,367
Wisconsin	147,543	15,331	12,721	12,469	10,307	9,595
Wyoming	NA	^R 3,052	^R 3,603	^R 2,580	^R 3,945	^R 2,546
Total	^R8,659,924	^R764,448	^R761,316	^R752,380	^R742,359	^R705,955

See footnotes at end of table.

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	1999					
	July	June	May	April	March	February
Alabama	16,525	15,938	15,947	17,042	19,174	16,360
Alaska	6,932	5,923	6,318	6,244	6,717	5,805
Arizona	1,987	1,956	2,390	2,545	2,237	2,291
Arkansas	10,987	NA	11,429	11,732	12,582	11,561
California	82,007	68,105	69,662	61,776	57,968	71,293
Colorado	NA	5,605	6,202	7,672	6,272	6,951
Connecticut	2,221	2,055	2,419	2,504	2,790	2,957
Delaware	1,757	1,459	1,789	1,767	1,952	1,878
District of Columbia	0	0	0	0	0	0
Florida	12,478	11,739	11,827	12,512	12,603	10,480
Georgia	8,080	7,177	NA	10,118	13,140	12,545
Hawaii	40	43	35	38	39	33
Idaho ^a	2,450	2,528	2,885	3,167	3,214	3,081
Illinois	21,500	21,056	21,281	25,516	29,721	29,436
Indiana	22,039	21,508	NA	NA	NA	26,942
Iowa	7,195	6,980	8,326	10,104	9,569	9,554
Kansas	9,275	7,751	NA	8,130	8,482	7,588
Kentucky	6,402	6,535	7,087	7,610	9,289	8,179
Louisiana	80,375	80,334	81,391	79,477	82,222	73,872
Maine	191	184	207	161	189	104
Maryland	3,338	2,887	3,183	3,243	4,068	3,261
Massachusetts	NA	NA	8,740	NA	NA	8,643
Michigan	19,911	20,416	22,851	24,820	28,068	26,451
Minnesota	7,598	7,397	7,457	8,485	9,697	11,186
Mississippi	6,669	6,807	7,007	NA	7,375	6,541
Missouri	4,751	4,801	4,615	5,395	5,127	NA
Montana	1,293	1,694	1,968	2,120	2,174	2,554
Nebraska	5,432	2,700	2,565	^R 3,051	3,098	3,330
Nevada	2,504	2,573	2,811	2,635	2,816	2,674
New Hampshire	442	457	486	578	505	484
New Jersey	NA	NA	NA	NA	NA	NA
New Mexico	3,371	3,279	3,606	NA	3,355	3,047
New York	NA	NA	NA	NA	NA	NA
North Carolina	9,288	8,970	8,857	8,867	10,885	9,561
North Dakota	1,155	1,266	1,351	1,479	2,037	2,844
Ohio	23,427	23,595	25,248	28,808	32,257	31,603
Oklahoma	^R 14,254	^R 15,192	^R 13,847	^R 16,094	^R 14,338	14,323
Oregon	8,008	7,861	8,216	8,923	9,571	8,595
Pennsylvania	17,497	17,687	18,565	20,802	23,245	23,747
Rhode Island	2,969	2,948	3,343	2,996	2,528	2,930
South Carolina	7,342	7,708	8,102	9,910	9,614	8,225
South Dakota	419	282	347	446	439	463
Tennessee	12,826	11,262	12,000	^R 11,647	^R 12,570	12,922
Texas	120,019	142,830	NA	136,782	144,116	159,127
Utah	3,200	2,351	3,422	3,809	3,718	3,350
Vermont	174	157	192	243	301	312
Virginia	10,441	8,708	7,843	8,449	7,524	6,431
Washington	NA	NA	NA	NA	NA	NA
West Virginia	^R 3,135	NA	3,225	NA	NA	3,460
Wisconsin	9,235	9,243	10,081	12,061	14,729	14,428
Wyoming	^R 2,697	^R 2,051	^R 2,069	^R 2,718	^R 3,036	NA
Total	^R663,531	^R664,277	^R684,203	^R683,416	^R722,879	725,412

See footnotes at end of table.

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	1999	1998				
	January	Total	December	November	October	September
Alabama	17,161	200,305	16,372	15,972	16,540	15,244
Alaska	6,626	75,947	6,439	6,255	6,289	5,678
Arizona	2,360	28,157	2,605	2,381	2,518	2,073
Arkansas	13,069	147,313	12,537	11,482	11,877	12,825
California	70,270	827,401	74,100	67,304	77,426	85,852
Colorado	4,630	87,238	8,462	6,859	6,020	5,309
Connecticut	2,985	32,498	2,838	2,656	2,647	2,217
Delaware	1,887	16,287	1,529	1,421	1,416	1,186
District of Columbia	0	0	0	0	0	0
Florida	11,219	126,891	10,374	10,704	10,000	10,654
Georgia	12,929	164,501	13,256	13,475	12,265	9,104
Hawaii	32	373	373	0	0	0
Idaho ^a	2,802	34,303	2,635	2,803	2,715	2,705
Illinois	33,890	303,668	28,912	27,909	25,306	21,621
Indiana	NA	290,973	28,353	24,767	24,269	23,418
Iowa	11,836	105,950	9,261	9,761	9,239	7,874
Kansas	NA	111,143	8,731	10,061	9,356	7,352
Kentucky	9,326	93,217	8,502	8,232	7,864	6,815
Louisiana	84,638	922,155	87,893	66,701	77,953	79,775
Maine	293	2,297	204	222	227	193
Maryland	2,727	38,531	3,564	3,041	3,714	3,104
Massachusetts	8,763	125,286	12,200	10,887	10,111	9,073
Michigan	28,793	282,036	25,198	23,921	21,034	17,171
Minnesota	10,841	104,610	9,322	8,941	9,052	7,632
Mississippi	NA	78,640	6,811	6,335	6,353	6,054
Missouri	6,562	64,868	5,988	4,728	5,145	4,520
Montana	2,642	21,416	2,260	1,976	1,732	1,496
Nebraska	4,240	53,053	3,124	3,724	3,475	3,341
Nevada	3,016	28,662	3,003	2,747	2,848	1,830
New Hampshire	526	5,878	484	531	555	476
New Jersey	NA	204,791	18,623	16,241	15,186	16,072
New Mexico	NA	25,048	2,239	2,108	2,250	2,150
New York	NA	251,591	16,736	18,774	16,275	19,142
North Carolina	10,001	106,497	8,862	8,835	8,618	8,125
North Dakota	1,434	20,606	1,898	1,770	1,176	1,709
Ohio	33,159	332,955	31,327	27,938	27,071	23,596
Oklahoma	14,794	198,110	13,058	13,327	18,083	19,908
Oregon	9,403	102,770	9,258	8,889	9,230	8,680
Pennsylvania	22,161	231,362	21,244	19,127	18,138	17,766
Rhode Island	3,421	42,278	3,480	3,666	3,832	3,533
South Carolina	8,813	102,324	8,973	8,931	8,668	8,301
South Dakota	545	5,607	572	553	322	414
Tennessee	13,545	145,773	14,316	12,701	12,852	10,349
Texas	185,739	2,023,278	209,528	187,395	168,879	158,949
Utah	3,703	45,501	3,839	3,546	3,444	3,204
Vermont	220	2,105	202	181	179	154
Virginia	5,437	92,801	7,567	7,937	8,992	7,880
Washington	NA	133,106	11,961	12,639	6,931	13,051
West Virginia	3,865	49,807	4,143	3,909	3,927	3,714
Wisconsin	17,342	141,980	14,896	13,275	11,457	9,745
Wyoming	^R 3,310	54,259	4,642	4,428	4,172	3,612
Total	^R 789,750	8,686,147	802,693	731,965	717,629	694,645

^a Small volumes of natural gas representing onsystem sales to industrial consumers in Idaho are included in the annual total but not in monthly components.

^R Revised Data.

NA Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 18. Natural Gas Deliveries to Electric Utility^a Consumers, by State, 1998-2000
(Million Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000		
				March	February	January
Alabama	1,690	2,049	901	237	434	1,019
Alaska	9,044	7,837	7,568	2,904	2,782	3,358
Arizona	9,468	6,260	2,482	2,670	3,126	3,673
Arkansas	7,878	4,014	2,063	3,810	3,374	693
California	23,776	48,868	68,381	8,102	7,506	8,168
Colorado	6,166	2,430	1,235	2,021	2,227	1,918
Connecticut	1,195	154	1,267	598	597	0
Delaware	1,344	3,754	804	315	381	647
District of Columbia	0	0	0	0	0	0
Florida	79,845	47,807	52,712	29,230	24,232	26,383
Georgia	285	257	308	153	67	65
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	419	6,815	11,463	82	78	260
Indiana	978	1,018	671	158	310	510
Iowa	754	506	687	215	232	306
Kansas	4,117	4,633	1,838	1,150	1,465	1,502
Kentucky	792	618	506	107	161	524
Louisiana	55,799	61,385	41,205	20,829	14,276	20,694
Maine	0	0	0	0	0	0
Maryland	1,840	869	785	1,062	259	518
Massachusetts	571	538	5,112	304	160	107
Michigan	10,279	10,650	9,434	2,554	3,418	4,306
Minnesota	695	960	424	209	190	297
Mississippi	21,283	14,842	9,783	5,942	6,190	9,150
Missouri	3,773	1,315	377	1,045	1,232	1,496
Montana	38	63	40	8	5	25
Nebraska	297	197	115	73	113	110
Nevada	13,721	12,632	9,835	4,700	3,848	5,173
New Hampshire	592	49	26	413	57	121
New Jersey	1,947	2,063	2,781	963	533	451
New Mexico	9,468	7,782	6,809	3,539	3,027	2,901
New York	21,681	29,453	37,416	9,157	6,938	5,586
North Carolina	175	70	103	37	54	84
North Dakota	0	0	0	0	0	0
Ohio	1,388	1,567	517	667	253	467
Oklahoma	26,456	30,630	20,954	10,675	6,783	8,999
Oregon	8,716	2,705	3,906	2,610	2,942	3,164
Pennsylvania	865	685	889	268	221	376
Rhode Island	0	0	6,099	0	0	0
South Carolina	77	84	150	27	15	35
South Dakota	153	480	111	56	15	82
Tennessee	427	0	0	18	117	292
Texas	225,788	204,831	183,474	86,800	65,922	73,066
Utah	1,345	1,231	515	645	327	373
Vermont	42	14	115	14	23	5
Virginia	5,130	5,713	2,524	1,947	1,327	1,855
Washington	400	75	618	1	69	330
West Virginia	80	86	78	33	32	15
Wisconsin	2,544	1,776	1,876	707	1,088	749
Wyoming	33	36	210	9	13	11
Total	563,352	529,802	499,164	207,068	166,419	189,865

See footnotes at end of table.

Table 18. Natural Gas Deliveries to Electric Utility^a Consumers, by State, 1998-2000
(Million Cubic Feet) — Continued

State	1999					
	Total	December	November	October	September	August
Alabama	20,897	674	889	557	1,865	5,662
Alaska	30,554	3,390	2,841	2,634	2,217	2,278
Arizona	50,876	3,284	3,338	6,403	4,701	6,665
Arkansas	40,059	1,981	2,043	1,589	3,113	7,960
California	144,796	7,169	7,498	14,585	9,518	12,208
Colorado	19,149	1,165	1,110	1,823	934	3,333
Connecticut	13,086	547	1,161	1,321	1,661	2,038
Delaware	19,873	498	337	1,352	1,570	3,289
District of Columbia	0	0	0	0	0	0
Florida	319,351	24,990	25,442	30,918	34,373	34,327
Georgia	20,507	174	456	692	1,933	6,483
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	40,700	828	1,837	1,617	1,740	3,915
Indiana	7,648	245	157	142	312	1,236
Iowa	5,245	241	313	304	429	688
Kansas	35,857	1,050	737	1,127	1,948	7,989
Kentucky	5,585	223	262	188	463	1,153
Louisiana	320,367	17,337	16,697	21,366	32,452	42,949
Maine	0	0	0	0	0	0
Maryland	16,382	409	346	1,338	1,101	2,813
Massachusetts	8,136	107	396	359	816	685
Michigan	51,136	3,070	3,199	3,869	3,701	4,611
Minnesota	6,590	149	253	106	208	868
Mississippi	101,613	8,922	5,720	6,731	7,527	14,254
Missouri	19,400	580	451	520	1,147	5,344
Montana	289	10	14	7	8	28
Nebraska	4,548	49	101	134	235	741
Nevada	65,131	6,052	4,562	5,621	6,449	6,658
New Hampshire	572	134	22	0	161	98
New Jersey	32,615	1,066	1,105	1,280	3,190	6,185
New Mexico	35,594	2,683	2,186	3,056	3,403	4,635
New York	181,817	9,010	11,261	11,999	14,135	19,779
North Carolina	10,562	17	50	104	625	3,571
North Dakota	0	0	0	0	0	0
Ohio	11,097	425	179	345	541	1,535
Oklahoma	169,826	9,305	8,187	10,785	13,928	26,713
Oregon	23,309	2,385	2,968	4,558	3,119	2,010
Pennsylvania	10,363	428	265	454	567	1,894
Rhode Island	0	0	0	0	0	0
South Carolina	5,107	48	77	17	165	1,851
South Dakota	2,526	94	23	69	79	425
Tennessee	3,453	29	32	0	174	1,214
Texas	1,207,294	64,468	63,476	96,700	117,677	177,923
Utah	6,481	524	398	1,121	495	680
Vermont	249	3	3	1	91	133
Virginia	23,459	1,106	928	651	1,701	3,354
Washington	6,700	258	468	3,032	1,276	434
West Virginia	386	42	37	46	23	17
Wisconsin	14,068	688	572	475	862	1,775
Wyoming	167	15	10	8	7	5
Total	3,113,420	175,870	172,408	240,002	282,642	432,405

See footnotes at end of table.

Table 18. Natural Gas Deliveries to Electric Utility^a Consumers, by State, 1998-2000
(Million Cubic Feet) — Continued

State	1999					
	July	June	May	April	March	February
Alabama	4,716	1,941	1,293	1,252	929	556
Alaska	2,547	2,202	2,307	2,300	2,522	2,556
Arizona	6,135	5,297	4,293	4,500	2,023	1,801
Arkansas	7,124	5,631	4,008	2,597	2,050	1,395
California	11,705	9,170	8,655	15,421	16,765	15,698
Colorado	2,527	2,119	1,792	1,916	886	651
Connecticut	3,003	1,802	1,315	84	124	1
Delaware	3,803	2,537	2,058	676	1,696	921
District of Columbia	0	0	0	0	0	0
Florida	33,908	29,623	29,642	28,322	19,054	13,254
Georgia	4,350	1,726	1,378	3,057	221	20
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	11,009	4,861	2,699	5,379	2,941	1,385
Indiana	2,685	1,194	249	411	339	151
Iowa	1,546	618	266	334	181	187
Kansas	8,412	3,498	2,767	3,697	2,426	1,037
Kentucky	1,807	481	201	188	131	81
Louisiana	38,341	34,799	29,657	25,383	21,890	17,767
Maine	0	0	0	0	0	0
Maryland	5,838	1,817	475	1,376	288	138
Massachusetts	1,487	1,621	1,430	697	381	47
Michigan	7,577	5,195	5,214	4,049	3,896	3,090
Minnesota	2,070	788	712	475	477	164
Mississippi	14,103	9,852	9,543	10,120	4,324	4,733
Missouri	5,739	1,992	637	1,675	327	365
Montana	112	32	6	9	4	5
Nebraska	1,836	724	195	335	115	43
Nevada	6,822	5,845	5,660	4,830	4,294	3,737
New Hampshire	67	25	16	0	16	0
New Jersey	11,542	3,447	2,078	660	689	347
New Mexico	3,947	2,732	2,037	3,133	2,829	2,357
New York	26,273	22,550	23,208	14,150	12,883	8,483
North Carolina	4,266	1,238	147	474	28	4
North Dakota	0	0	0	0	0	0
Ohio	3,240	1,435	712	1,118	941	324
Oklahoma	24,843	18,378	13,892	13,164	12,488	7,557
Oregon	1,574	878	2,038	1,073	220	945
Pennsylvania	3,243	2,077	467	285	317	106
Rhode Island	0	0	0	0	0	0
South Carolina	2,291	390	76	109	49	21
South Dakota	646	214	215	280	233	122
Tennessee	1,208	596	58	142	0	0
Texas	152,635	127,708	104,517	97,360	81,945	56,206
Utah	754	691	192	395	454	392
Vermont	0	2	1	2	6	2
Virginia	4,064	1,888	2,235	1,818	2,103	1,937
Washington	51	39	562	505	6	41
West Virginia	25	32	48	29	35	24
Wisconsin	4,036	1,896	1,434	555	570	654
Wyoming	8	68	6	4	13	14
Total	433,914	321,646	270,394	254,337	204,107	149,319

See footnotes at end of table.

Table 18. Natural Gas Deliveries to Electric Utility^a Consumers, by State, 1998-2000
(Million Cubic Feet) — Continued

State	1999	1998				
	January	Total	December	November	October	September
Alabama	564	25,546	789	568	973	4,213
Alaska	2,758	28,784	2,957	2,669	2,190	2,402
Arizona	2,436	38,674	3,738	2,716	4,777	6,200
Arkansas	569	40,576	367	122	1,753	6,764
California	16,405	271,154	17,740	20,126	25,310	31,816
Colorado	894	10,627	918	1,046	684	1,378
Connecticut	29	10,719	123	9	209	1,605
Delaware	1,137	11,135	911	1,152	985	1,319
District of Columbia	0	0	0	0	0	0
Florida	15,499	281,346	17,667	18,413	28,024	27,465
Georgia	16	22,371	259	337	741	3,350
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	2,489	56,337	1,469	1,465	1,426	6,084
Indiana	528	9,096	237	172	389	957
Iowa	139	5,947	144	147	177	1,099
Kansas	1,171	36,896	1,679	2,097	1,602	6,109
Kentucky	406	5,760	136	151	206	978
Louisiana	21,728	318,395	18,345	20,877	24,381	36,591
Maine	0	0	0	0	0	0
Maryland	443	12,303	499	188	232	2,565
Massachusetts	110	18,427	725	777	918	1,127
Michigan	3,664	48,321	3,449	3,163	3,934	5,415
Minnesota	319	7,738	120	268	504	1,538
Mississippi	5,785	76,362	4,126	3,553	4,004	9,141
Missouri	624	16,035	515	521	228	3,067
Montana	54	522	36	33	48	69
Nebraska	39	5,044	106	35	154	955
Nevada	4,601	60,937	5,362	4,649	5,732	6,460
New Hampshire	32	149	0	25	0	0
New Jersey	1,027	30,996	792	804	376	3,446
New Mexico	2,596	39,034	2,876	2,246	2,708	3,782
New York	8,087	208,348	10,911	8,116	15,872	20,464
North Carolina	38	12,418	36	29	136	2,132
North Dakota	0	0	0	0	0	0
Ohio	302	7,663	351	170	272	1,333
Oklahoma	10,585	174,577	13,066	11,482	11,983	21,106
Oregon	1,540	28,883	3,009	4,188	3,701	4,014
Pennsylvania	262	6,890	357	98	220	561
Rhode Island	0	15,589	0	0	0	0
South Carolina	14	5,893	42	97	72	919
South Dakota	125	2,865	189	190	61	366
Tennessee	0	6,213	0	0	190	1,860
Texas	66,680	1,242,574	71,865	61,712	95,036	143,064
Utah	384	5,945	493	165	648	1,206
Vermont	5	188	4	3	7	11
Virginia	1,674	20,386	757	625	1,435	3,323
Washington	29	13,352	635	1,742	3,318	2,749
West Virginia	27	417	25	56	52	20
Wisconsin	553	16,348	730	589	486	2,044
Wyoming	9	271	5	6	13	9
Total	176,375	3,258,054	188,557	177,596	246,171	381,075

^a Includes all steam electric utility generating plants with a combined capacity of 50 megawatts or greater.

Notes: Geographic coverage is the 50 States and the District of Columbia.

See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-759, "Monthly Power Plant Report."

Table 19. Natural Gas Deliveries to All Consumers, by State, 1998-2000

(Million Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000		
				March	February	January
Alabama	88,601	87,242	92,292	25,649	31,734	31,219
Alaska	42,938	43,366	41,028	14,102	13,127	15,709
Arizona	42,659	39,327	39,019	12,768	13,235	16,656
Arkansas	NA	73,118	72,633	NA	NA	NA
California	560,748	572,402	544,207	181,275	182,440	197,033
Colorado	NA	98,663	106,156	NA	^R 32,544	NA
Connecticut	50,001	46,315	44,006	14,836	18,799	16,367
Delaware	15,635	17,054	12,044	4,621	5,170	5,844
District of Columbia	14,060	14,916	13,769	3,735	^R 5,287	5,038
Florida	136,374	99,137	102,544	48,108	^R 42,595	^R 45,672
Georgia	NA	99,469	126,095	NA	NA	NA
Hawaii	733	697	609	245	243	246
Idaho	22,415	22,419	22,169	6,600	7,207	8,608
Illinois	371,140	402,866	369,135	94,271	122,950	153,918
Indiana	NA	NA	184,593	NA	NA	NA
Iowa	81,153	89,391	85,863	21,220	27,333	32,600
Kansas	93,020	NA	85,147	26,001	31,543	35,475
Kentucky	73,418	73,720	69,189	18,467	24,107	30,844
Louisiana	351,326	331,499	308,307	114,319	109,933	127,073
Maine	NA	2,167	2,047	NA	612	897
Maryland	71,458	72,963	65,713	20,295	26,406	24,756
Massachusetts	NA	108,145	127,109	NA	NA	NA
Michigan	346,734	351,097	327,873	97,752	119,744	129,238
Minnesota	NA	130,665	120,208	31,609	NA	53,456
Mississippi	63,042	55,983	53,885	17,505	20,985	24,552
Missouri	104,087	NA	109,752	27,777	36,598	39,712
Montana	20,579	20,445	19,721	6,002	7,139	7,438
Nebraska	42,678	44,648	47,606	13,117	^R 14,219	^R 15,342
Nevada	NA	41,542	36,960	13,948	^R 13,104	NA
New Hampshire	NA	8,245	7,551	NA	3,116	3,208
New Jersey	NA	NA	214,342	NA	NA	84,169
New Mexico	39,470	NA	41,485	12,729	^R 12,649	^R 14,092
New York	NA	NA	397,186	159,047	NA	NA
North Carolina	86,194	75,463	74,789	23,876	32,119	30,199
North Dakota	NA	16,413	14,807	3,756	^R 4,425	NA
Ohio	334,779	337,684	313,019	91,255	114,573	128,952
Oklahoma	108,009	125,050	129,786	33,217	36,714	38,079
Oregon	66,651	59,352	54,867	20,283	^R 21,905	24,462
Pennsylvania	NA	254,022	229,417	72,419	NA	97,808
Rhode Island	27,620	22,638	28,758	6,611	12,341	8,668
South Carolina	49,970	48,132	50,188	14,670	18,272	17,028
South Dakota	11,117	12,014	11,525	3,170	3,628	4,319
Tennessee	97,767	92,854	96,283	23,674	35,369	38,725
Texas	818,750	840,161	827,880	257,093	283,560	278,097
Utah	47,187	45,219	49,348	15,188	14,926	17,073
Vermont	3,550	3,224	3,205	1,097	1,319	1,134
Virginia	91,431	85,541	80,247	24,173	33,919	33,339
Washington	NA	NA	86,973	NA	NA	NA
West Virginia	NA	NA	39,423	8,496	NA	13,490
Wisconsin	143,213	148,054	135,563	36,991	47,126	59,096
Wyoming	NA	18,513	26,572	7,227	^R 8,372	NA
Total	6,276,868	6,256,343	6,142,892	1,864,849	^R2,124,923	^R2,287,096

See footnotes at end of table.

Table 19. Natural Gas Deliveries to All Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	1999					
	Total	December	November	October	September	August
Alabama	298,206	28,079	24,279	21,731	21,285	25,421
Alaska	149,801	16,205	14,842	12,855	9,345	8,854
Arizona	141,191	13,605	9,143	11,388	9,676	11,588
Arkansas	NA	22,911	NA	18,005	17,977	22,846
California	1,920,430	173,447	148,687	159,602	149,187	150,320
Colorado	274,103	31,107	21,407	16,243	12,346	14,653
Connecticut	^R 130,237	14,109	11,239	8,112	^R 7,554	7,648
Delaware	56,695	4,570	3,087	3,812	3,716	5,286
District of Columbia	NA	1,733	2,329	1,379	1,187	1,155
Florida	^R 511,289	41,390	40,778	^R 46,237	^R 48,648	^R 50,162
Georgia	NA	NA	NA	NA	NA	NA
Hawaii	2,735	230	223	228	224	222
Idaho	64,325	7,210	5,377	4,484	3,630	2,952
Illinois	983,082	132,729	82,376	64,712	43,502	40,793
Indiana	NA	^R 64,259	^R 44,615	^R 36,490	^R 29,555	^R 29,254
Iowa	225,459	25,609	17,995	14,615	11,374	10,591
Kansas	NA	24,168	13,962	^R 11,815	13,381	22,637
Kentucky	^R 193,938	25,247	16,939	12,576	10,009	^R 10,217
Louisiana	^R 1,358,597	112,640	104,298	108,150	^R 111,287	124,657
Maine	^R 6,045	785	561	^R 535	297	309
Maryland	NA	21,892	14,651	11,868	9,043	10,565
Massachusetts	NA	NA	NA	NA	NA	NA
Michigan	861,809	101,989	73,980	53,279	36,486	34,299
Minnesota	NA	NA	NA	20,691	13,815	15,510
Mississippi	NA	22,113	16,261	15,655	15,681	22,294
Missouri	NA	30,372	17,734	12,497	11,007	14,536
Montana	54,995	6,754	5,137	3,731	2,376	2,079
Nebraska	^R 113,950	10,721	7,106	7,021	^R 6,086	6,580
Nevada	^R 149,754	16,347	10,990	11,065	11,470	^R 11,576
New Hampshire	NA	2,231	1,578	1,266	1,014	^R 922
New Jersey	NA	NA	NA	NA	NA	NA
New Mexico	NA	21,307	11,930	NA	NA	NA
New York	NA	NA	NA	NA	NA	NA
North Carolina	^R 217,957	22,958	16,942	^R 12,629	12,217	16,172
North Dakota	NA	NA	NA	2,498	1,933	1,588
Ohio	NA	100,712	71,301	53,756	37,133	NA
Oklahoma	^R 442,527	^R 34,102	^R 27,964	^R 27,746	^R 32,614	^R 43,786
Oregon	^R 197,703	21,566	18,904	17,042	13,433	^R 12,378
Pennsylvania	637,358	75,493	53,853	39,823	29,936	29,955
Rhode Island	63,296	6,202	5,458	3,664	3,433	3,229
South Carolina	^R 154,666	15,663	13,032	11,009	9,794	11,320
South Dakota	28,906	3,393	2,122	1,663	986	1,353
Tennessee	NA	24,388	20,068	19,371	19,216	^R 16,378
Texas	NA	244,677	253,432	275,447	317,923	338,597
Utah	133,303	18,893	12,072	10,142	7,230	6,246
Vermont	8,062	885	698	529	413	442
Virginia	247,439	28,154	17,505	13,153	14,141	18,568
Washington	NA	NA	NA	NA	NA	NA
West Virginia	NA	NA	NA	6,813	^R 5,170	^R 5,282
Wisconsin	377,330	50,507	32,141	26,755	17,579	17,380
Wyoming	^R 56,588	^R 5,758	^R 5,267	^R 4,012	^R 4,792	^R 2,951
Total	^R19,500,756	^R1,946,178	^R1,559,225	^R1,412,986	^R1,305,477	^R1,395,703

See footnotes at end of table.

Table 19. Natural Gas Deliveries to All Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	1999					
	July	June	May	April	March	February
Alabama	24,153	20,894	20,659	24,462	29,878	26,359
Alaska	11,178	10,011	11,323	11,821	14,323	13,673
Arizona	11,034	10,760	11,311	13,358	11,127	13,094
Arkansas	20,412	19,766	18,577	20,569	23,181	21,726
California	136,534	127,455	140,815	161,981	171,695	193,094
Colorado	13,850	15,851	23,300	26,683	28,491	31,988
Connecticut	^R 8,818	^R 7,689	8,817	9,936	14,525	15,078
Delaware	5,944	4,465	4,694	4,068	6,220	5,212
District of Columbia	NA	1,339	1,936	3,245	4,658	4,857
Florida	^R 49,425	^R 44,949	45,104	45,459	37,270	28,980
Georgia	16,009	11,904	13,106	21,080	30,256	32,026
Hawaii	229	229	222	231	226	238
Idaho	3,303	3,694	4,982	6,275	7,004	7,448
Illinois	48,698	43,024	48,170	76,211	118,600	118,504
Indiana	^R 29,408	^R 29,055	^R 42,645	^R 46,131	NA	62,394
Iowa	12,087	10,601	13,436	19,759	25,806	26,549
Kansas	20,930	14,923	NA	21,446	26,352	25,835
Kentucky	10,397	9,569	10,783	14,482	23,836	22,020
Louisiana	121,893	118,535	114,938	110,702	112,082	100,239
Maine	288	^R 301	^R 368	435	676	578
Maryland	NA	9,585	NA	16,422	23,838	22,282
Massachusetts	NA	28,615	24,237	34,645	44,584	35,455
Michigan	39,861	42,207	53,211	75,400	111,785	107,100
Minnesota	14,556	14,147	17,194	24,430	36,635	41,073
Mississippi	22,610	18,549	18,817	NA	17,675	16,487
Missouri	16,175	12,353	13,831	21,996	30,612	NA
Montana	2,345	2,864	4,088	5,177	5,599	6,596
Nebraska	9,346	5,728	7,285	^R 9,429	12,423	13,573
Nevada	^R 11,520	11,058	12,027	12,159	12,831	13,229
New Hampshire	874	^R 898	NA	1,909	2,539	2,590
New Jersey	NA	NA	NA	NA	NA	NA
New Mexico	9,422	8,436	9,600	NA	13,947	13,244
New York	NA	NA	NA	NA	NA	NA
North Carolina	16,258	13,223	13,830	18,265	25,942	21,876
North Dakota	1,666	1,818	2,600	3,371	4,608	5,967
Ohio	37,991	38,542	46,408	72,047	108,748	107,797
Oklahoma	^R 42,452	^R 36,431	^R 33,084	^R 39,299	^R 39,844	37,005
Oregon	11,548	11,835	15,061	16,583	18,300	19,220
Pennsylvania	30,388	31,323	37,043	55,521	81,221	82,151
Rhode Island	3,918	4,031	4,942	5,782	6,963	7,279
South Carolina	11,252	9,777	10,717	^R 13,971	^R 16,590	14,070
South Dakota	1,652	1,258	1,684	2,780	3,308	3,647
Tennessee	17,386	16,640	NA	NA	^R 26,599	28,478
Texas	291,123	289,287	NA	264,665	262,704	257,691
Utah	7,298	5,678	8,135	12,390	12,665	15,666
Vermont	295	327	492	756	1,017	1,023
Virginia	18,642	14,784	16,306	20,645	28,606	27,709
Washington	NA	NA	NA	NA	NA	NA
West Virginia	^R 4,928	5,406	6,188	NA	NA	11,820
Wisconsin	19,002	17,360	19,895	28,658	43,165	43,693
Wyoming	^R 3,330	^R 3,064	^R 4,014	^R 4,887	^R 5,432	^R 6,482
Total	^R1,362,019	^R1,282,294	^R1,367,444	^R1,613,087	^R1,963,122	^R1,947,436

See footnotes at end of table.

Table 19. Natural Gas Deliveries to All Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	1999	1998				
	January	Total	December	November	October	September
Alabama	31,006	298,102	24,023	20,725	20,081	21,745
Alaska	15,371	147,426	14,951	13,451	12,143	10,517
Arizona	15,106	134,871	14,397	9,456	10,331	10,952
Arkansas	28,211	254,142	20,624	16,270	16,098	21,593
California	207,614	1,933,371	192,210	154,589	151,911	162,464
Colorado	38,184	271,849	31,624	21,684	14,392	11,864
Connecticut	16,712	120,955	12,389	9,140	7,053	6,782
Delaware	5,622	40,769	3,965	3,593	2,875	2,860
District of Columbia	5,400	30,115	3,043	2,293	1,337	1,172
Florida	32,887	460,082	32,489	32,777	41,312	41,332
Georgia	37,187	349,701	34,095	27,346	20,377	17,928
Hawaii	233	2,654	568	183	172	180
Idaho	7,967	62,018	6,712	5,357	3,949	3,407
Illinois	165,762	944,563	119,098	90,335	58,216	44,732
Indiana	80,575	513,375	58,178	45,538	35,466	30,493
Iowa	37,036	223,826	25,924	20,513	14,848	11,617
Kansas	NA	260,044	23,768	20,997	14,868	16,265
Kentucky	27,863	186,990	22,641	17,693	11,891	10,032
Louisiana	119,178	1,312,174	113,450	91,988	105,471	119,369
Maine	913	5,663	673	564	455	298
Maryland	26,843	176,323	19,719	14,642	10,097	10,384
Massachusetts	28,106	335,874	31,926	28,471	21,028	15,147
Michigan	132,212	813,457	91,646	71,928	49,532	35,851
Minnesota	52,956	305,174	40,732	30,299	20,231	14,566
Mississippi	21,821	201,209	15,567	12,925	12,317	17,247
Missouri	45,959	253,682	27,553	17,763	11,118	12,406
Montana	8,249	54,071	7,152	5,418	3,891	2,483
Nebraska	18,652	127,779	11,394	9,362	6,287	6,143
Nevada	15,481	142,970	15,265	11,777	11,255	10,223
New Hampshire	3,115	19,103	2,033	1,734	1,219	857
New Jersey	NA	579,099	63,273	47,341	32,959	31,628
New Mexico	NA	127,354	16,540	10,140	7,377	7,864
New York	NA	1,135,250	104,380	84,394	68,342	66,050
North Carolina	27,646	206,129	18,480	15,666	11,738	12,824
North Dakota	5,837	40,782	4,686	3,807	2,199	2,231
Ohio	121,138	794,255	96,990	73,088	50,339	36,314
Oklahoma	48,202	483,117	39,100	31,825	33,453	44,090
Oregon	21,832	192,094	21,441	18,938	15,667	14,484
Pennsylvania	90,650	587,218	68,314	53,193	35,593	27,995
Rhode Island	8,396	85,811	6,701	6,093	5,105	4,453
South Carolina	17,472	153,476	13,758	12,286	10,471	10,756
South Dakota	5,059	29,383	3,735	2,813	1,279	1,297
Tennessee	37,777	263,778	28,282	21,151	17,009	15,757
Texas	319,765	3,634,920	329,660	276,571	281,344	320,315
Utah	16,888	139,380	19,111	12,732	10,647	7,354
Vermont	1,184	7,726	895	673	453	403
Virginia	29,226	234,692	24,576	20,099	16,212	15,119
Washington	NA	254,067	26,180	22,554	14,778	19,336
West Virginia	14,083	104,879	11,105	9,102	6,858	5,594
Wisconsin	61,196	355,650	46,138	33,976	22,684	17,828
Wyoming	^R 6,599	77,656	8,105	6,575	5,451	4,274
Total	^R2,345,785	19,469,047	1,969,258	1,571,825	1,340,176	1,336,874

^R Revised Data.

NA Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. Gas volumes delivered for use as vehicle fuel are included in the annual total for commercial deliveries but not in the monthly components. See

Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Sources: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" and Form EIA-759, "Monthly Power Plant Report."

Table 20. Average City Gate Price, by State, 1998-2000

(Dollars per Thousand Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000			1999	
				March	February	January	Total	December
Alabama	3.10	2.68	3.00	3.43	3.05	2.95	3.06	3.39
Alaska	1.60	1.33	1.74	1.64	1.56	1.61	1.32	1.32
Arizona	2.89	2.18	2.44	3.05	2.97	2.70	2.72	2.68
Arkansas	NA	2.87	3.03	NA	NA	NA	NA	2.26
California	2.78	2.19	2.29	2.90	2.88	2.59	2.60	2.67
Colorado	NA	2.09	2.68	NA	NA	NA	NA	2.27
Connecticut	5.66	4.57	5.12	5.59	6.00	5.40	5.03	5.42
Delaware	3.40	3.54	2.81	3.04	3.29	3.80	3.45	2.78
District of Columbia	8.69	—	—	—	8.69	—	8.88	8.88
Florida	3.51	3.22	3.49	3.57	3.55	3.40	3.36	3.65
Georgia	NA	3.72	3.46	NA	NA	NA	NA	NA
Hawaii	7.17	4.70	6.13	6.96	7.40	7.14	5.62	7.40
Idaho	2.54	1.82	1.88	2.64	2.52	2.50	2.23	2.50
Illinois	3.09	2.52	2.85	3.30	3.13	2.93	3.00	3.13
Indiana	NA	NA	2.46	NA	NA	NA	NA	NA
Iowa	3.34	2.79	3.23	3.75	3.47	3.03	3.28	3.98
Kansas	3.41	NA	2.86	3.48	3.61	3.21	NA	3.12
Kentucky	3.78	3.04	3.18	3.90	3.88	3.65	3.27	3.42
Louisiana	3.18	2.17	2.53	3.39	3.30	2.96	2.52	2.71
Maine	NA	3.06	3.62	NA	2.92	3.23	NA	4.33
Maryland	3.80	NA	3.31	4.18	3.94	3.53	NA	3.29
Massachusetts	NA	NA	3.39	NA	NA	NA	NA	NA
Michigan	3.01	2.86	2.93	2.90	3.01	3.11	2.83	2.93
Minnesota	NA	2.70	2.93	3.63	NA	NA	NA	NA
Mississippi	3.27	NA	3.06	3.50	3.32	3.10	NA	3.05
Missouri	3.31	2.67	2.98	3.68	3.40	3.07	3.34	3.02
Montana	2.91	2.81	2.61	3.02	3.05	2.72	2.57	2.91
Nebraska	3.26	2.97	2.90	3.36	3.54	2.97	3.12	3.50
Nevada	NA	2.43	3.10	3.55	3.50	NA	2.59	3.27
New Hampshire	NA	3.53	3.92	NA	3.91	3.80	3.82	4.09
New Jersey	NA	NA	3.74	NA	NA	3.67	NA	NA
New Mexico	2.46	2.07	2.16	2.50	2.36	2.50	NA	2.42
New York	NA	NA	2.34	3.35	NA	NA	NA	NA
North Carolina	3.78	2.95	3.54	3.83	3.99	3.57	3.33	3.61
North Dakota	NA	2.77	2.89	3.66	NA	NA	NA	NA
Ohio	5.26	4.39	4.66	6.73	4.85	4.98	NA	4.48
Oklahoma	NA	3.05	2.64	3.01	2.66	NA	2.84	3.59
Oregon	3.05	2.56	2.46	3.04	3.14	2.97	2.94	3.03
Pennsylvania	3.81	3.14	4.15	4.72	3.87	3.44	3.64	3.33
Rhode Island	3.33	3.20	4.00	3.17	3.30	3.45	3.95	5.29
South Carolina	3.74	3.03	3.22	3.84	3.84	3.60	3.47	3.51
South Dakota	3.65	3.25	3.12	3.83	4.04	3.26	3.52	3.67
Tennessee	3.30	2.81	3.29	3.28	3.74	3.06	NA	3.69
Texas	2.95	2.65	2.79	2.87	2.97	2.98	2.84	2.92
Utah	3.51	2.92	3.38	3.68	3.44	3.45	2.98	3.54
Vermont	3.58	2.92	2.70	3.80	3.56	3.46	2.85	1.43
Virginia	3.91	3.21	3.62	4.01	4.10	3.71	NA	3.34
Washington	NA	NA	2.38	NA	NA	NA	NA	NA
West Virginia	NA	NA	3.06	NA	NA	3.45	NA	NA
Wisconsin	3.15	2.60	3.17	3.44	3.20	2.94	3.07	2.79
Wyoming	4.17	3.14	3.41	4.78	3.85	3.83	NA	4.03
Total	3.43	2.82	3.07	3.54	3.49	3.30	3.11	3.22

See footnotes at end of table.

Table 20. Average City Gate Price, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	1999							
	November	October	September	August	July	June	May	April
Alabama	3.74	3.45	3.61	3.62	3.33	3.53	2.86	2.70
Alaska	1.34	1.36	1.41	1.11	1.26	1.27	1.23	1.32
Arizona	3.37	3.30	3.66	3.52	3.26	3.16	3.03	2.39
Arkansas	NA	NA	NA	2.98	3.04	NA	NA	2.71
California	3.25	3.35	3.00	2.80	2.51	2.57	2.71	2.17
Colorado	NA	NA	NA	NA	NA	2.44	2.36	1.14
Connecticut	7.17	4.58	5.85	4.52	5.39	4.33	5.19	4.87
Delaware	3.48	2.73	4.01	3.53	4.43	5.10	3.91	3.12
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.50	3.74	3.60	3.53	3.22	3.27	3.27	2.99
Georgia	NA	NA	NA	NA	3.42	4.10	NA	3.11
Hawaii	7.20	6.48	6.23	5.59	5.61	5.45	4.72	4.68
Idaho	3.07	2.94	3.27	2.74	2.72	1.50	1.69	1.94
Illinois	3.55	3.41	3.87	3.73	3.23	3.17	3.62	2.63
Indiana	NA	NA	NA	2.50	2.02	2.05	NA	NA
Iowa	3.95	3.49	3.71	3.97	3.54	4.26	3.63	3.03
Kansas	3.60	3.41	3.91	4.88	2.52	3.08	2.94	2.54
Kentucky	3.82	3.63	3.46	2.85	3.06	2.89	3.63	3.72
Louisiana	3.84	3.16	3.34	2.46	2.24	2.27	2.41	2.14
Maine	2.66	3.37	2.69	3.18	5.39	3.67	NA	5.48
Maryland	4.28	4.80	5.38	6.24	NA	5.86	NA	NA
Massachusetts	NA	NA	NA	NA	NA	NA	5.89	NA
Michigan	2.95	2.86	2.83	2.79	2.83	2.63	2.83	2.75
Minnesota	NA	2.85	3.72	3.52	3.30	3.23	2.87	2.49
Mississippi	3.49	3.29	3.30	3.05	2.84	2.49	2.66	NA
Missouri	3.87	4.23	5.38	5.25	5.14	4.90	4.56	3.43
Montana	3.00	2.65	2.30	2.12	2.08	2.20	1.37	2.39
Nebraska	3.79	3.14	3.28	2.33	3.25	3.24	3.45	2.94
Nevada	3.01	3.20	3.94	5.42	0.83	3.60	3.07	2.13
New Hampshire	4.84	3.40	4.12	3.96	4.77	4.06	3.32	3.59
New Jersey	NA	NA	NA	NA	NA	NA	NA	NA
New Mexico	2.64	NA	NA	NA	2.06	2.13	2.06	1.81
New York	NA	NA	NA	NA	NA	NA	NA	NA
North Carolina	3.94	3.74	3.90	3.52	3.21	3.34	3.52	3.25
North Dakota	4.13	3.38	3.41	3.35	2.90	2.83	2.97	2.57
Ohio	4.66	4.90	5.21	NA	5.07	5.81	6.71	7.73
Oklahoma	3.56	2.64	2.84	1.87	2.19	2.47	2.23	2.35
Oregon	3.44	3.10	3.64	4.05	3.74	3.28	2.84	2.66
Pennsylvania	4.03	4.09	4.98	6.70	5.13	4.35	4.28	3.77
Rhode Island	4.37	4.79	4.95	4.88	5.41	4.73	4.46	4.09
South Carolina	3.86	3.73	4.14	3.85	3.63	3.80	3.85	3.43
South Dakota	4.05	3.37	3.50	4.02	4.03	3.72	4.21	3.37
Tennessee	4.21	3.71	3.53	4.18	3.25	2.75	2.81	NA
Texas	3.45	3.17	2.98	2.98	2.77	2.78	2.86	2.45
Utah	3.34	2.75	3.23	2.93	4.04	2.62	2.07	2.31
Vermont	3.85	3.42	2.68	2.70	2.63	3.12	3.34	3.07
Virginia	4.37	3.73	7.51	5.60	7.13	5.27	NA	3.70
Washington	NA	NA	NA	NA	NA	NA	NA	NA
West Virginia	NA	3.46	1.33	NA	3.16	3.89	2.64	NA
Wisconsin	4.03	3.34	4.26	4.14	3.84	4.12	3.62	2.83
Wyoming	NA	3.28	3.99	3.81	3.51	2.53	3.01	3.23
Total	3.75	3.50	3.50	3.37	3.11	3.18	3.25	2.91

See footnotes at end of table.

Table 20. Average City Gate Price, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	1999			1998				
	March	February	January	Total	December	November	October	September
Alabama	2.65	2.79	2.62	3.17	3.16	3.17	3.50	3.24
Alaska	1.33	1.34	1.32	1.72	1.73	1.74	1.73	1.71
Arizona	2.18	2.19	2.17	2.55	2.31	2.54	2.62	2.77
Arkansas	2.58	3.40	2.69	2.94	3.13	3.03	2.93	1.88
California	2.07	2.25	2.23	2.38	2.75	2.49	2.22	1.98
Colorado	1.84	2.07	2.25	2.40	2.74	2.18	2.24	0.63
Connecticut	4.57	4.74	4.44	5.06	5.51	4.54	4.31	4.69
Delaware	3.33	3.68	3.63	3.02	4.10	3.83	3.75	3.90
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.11	3.19	3.33	3.42	3.50	3.76	3.51	3.13
Georgia	3.33	3.45	4.41	3.51	4.34	3.24	3.08	3.37
Hawaii	4.53	4.47	5.07	5.33	5.17	5.14	4.95	5.12
Idaho	1.82	1.92	1.76	1.95	1.86	1.99	1.95	2.38
Illinois	2.51	2.59	2.49	2.77	2.75	2.65	2.43	2.24
Indiana	NA	2.26	2.11	2.45	2.43	2.57	2.47	2.58
Iowa	2.77	3.02	2.63	3.34	2.79	3.05	4.98	4.00
Kansas	NA	NA	NA	2.96	2.79	3.19	2.94	2.67
Kentucky	2.79	3.10	3.21	3.23	3.08	3.19	2.94	3.58
Louisiana	2.16	2.19	2.18	2.33	2.48	2.20	2.13	2.01
Maine	3.05	2.84	3.27	3.43	3.82	2.66	3.37	2.69
Maryland	NA	NA	2.87	4.12	5.70	3.38	4.15	13.58
Massachusetts	NA	NA	NA	4.01	3.15	3.58	4.46	6.11
Michigan	2.79	3.02	2.79	2.80	3.05	2.86	2.61	2.69
Minnesota	2.70	2.84	2.60	2.98	3.04	3.04	2.74	2.78
Mississippi	2.61	2.71	NA	3.00	3.11	3.06	2.91	2.65
Missouri	2.75	2.89	2.49	3.33	2.77	3.12	4.06	4.50
Montana	2.98	2.70	2.76	2.43	2.44	2.60	2.32	2.22
Nebraska	2.90	3.11	2.90	3.02	3.10	2.84	3.03	2.90
Nevada	2.31	2.54	2.42	3.02	2.65	2.60	2.48	3.79
New Hampshire	3.24	3.56	3.73	3.75	3.88	3.52	3.22	3.34
New Jersey	1.20	NA	NA	3.71	4.84	4.10	4.08	5.83
New Mexico	1.98	2.08	2.13	2.08	2.18	2.17	1.75	1.64
New York	NA	NA	NA	2.65	3.04	2.84	2.83	2.56
North Carolina	2.73	3.00	3.11	3.49	3.09	3.16	3.46	3.20
North Dakota	2.58	2.84	2.85	2.81	3.01	3.10	3.05	2.11
Ohio	4.43	4.62	4.22	4.70	4.32	4.22	6.02	5.54
Oklahoma	2.36	5.21	2.41	2.55	2.54	2.52	2.16	2.73
Oregon	2.59	2.68	2.43	2.73	2.50	2.61	2.72	2.93
Pennsylvania	2.95	3.42	3.10	4.12	3.47	3.69	3.73	4.73
Rhode Island	3.06	3.20	3.32	3.78	1.26	4.05	4.07	4.30
South Carolina	2.86	3.09	3.14	3.39	3.24	3.30	3.40	3.35
South Dakota	3.25	3.37	3.18	3.24	2.69	3.07	2.93	3.91
Tennessee	2.79	2.76	2.86	3.47	3.28	3.57	3.06	2.42
Texas	2.38	2.61	2.83	2.63	2.85	2.59	2.37	2.09
Utah	2.76	3.11	2.86	3.22	3.58	3.07	2.94	3.37
Vermont	2.92	3.01	2.85	2.58	2.52	2.67	1.99	2.26
Virginia	3.35	2.97	3.31	3.74	3.28	3.31	3.80	4.86
Washington	NA	NA	NA	2.34	2.38	1.79	2.46	2.37
West Virginia	NA	3.21	6.98	3.17	3.80	3.55	3.22	2.58
Wisconsin	2.64	2.77	2.47	3.29	2.84	3.10	3.18	3.76
Wyoming	2.85	3.49	3.07	2.73	4.14	3.22	2.97	2.48
Total	2.67	2.94	2.84	3.07	3.10	2.99	2.99	2.78

NA Not Available.

— Not Applicable.

Notes: Geographic coverage is the 50 States and the District of Columbia. Prices in this table represent the average price of natural gas by State at the point where the gas transferred from a pipeline to a local distribution

company within the State. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000			1999	
				March	February	January	Total	December
Alabama	7.70	7.43	7.24	9.21	7.21	7.41	8.37	8.22
Alaska	3.40	3.55	3.63	3.53	3.36	3.34	3.64	3.45
Arizona	8.16	8.21	7.29	8.43	8.33	7.88	9.18	8.76
Arkansas	NA	6.14	6.45	NA	NA	NA	NA	6.56
California	6.77	6.55	6.86	7.05	6.99	6.30	6.62	6.52
Colorado	NA	4.72	4.60	NA	NA	NA	5.24	5.13
Connecticut	10.51	9.97	10.31	10.54	10.51	10.49	^R 10.39	11.04
Delaware	7.67	8.07	8.13	7.96	7.76	7.40	8.62	8.02
District of Columbia	8.71	8.25	8.66	8.99	^R 8.69	8.54	NA	8.02
Florida	10.91	10.63	9.84	11.95	10.45	10.62	^R 12.12	11.19
Georgia	NA	2.24	6.17	NA	NA	NA	NA	NA
Hawaii	20.22	18.44	19.99	20.37	20.31	19.99	18.97	20.18
Idaho	5.53	5.08	5.09	5.61	5.56	5.45	5.43	5.57
Illinois	5.33	4.55	4.91	5.71	5.32	5.12	5.53	5.39
Indiana	NA	NA	6.19	NA	NA	NA	NA	^R 5.43
Iowa	5.66	5.00	5.15	6.26	5.73	5.27	6.11	6.10
Kansas	6.10	NA	5.69	6.38	6.03	5.98	NA	6.18
Kentucky	5.85	5.12	5.47	6.21	6.04	5.56	5.73	5.93
Louisiana	6.23	5.69	5.65	6.99	6.13	5.92	6.90	7.30
Maine	NA	7.22	8.05	NA	7.34	7.00	^R 7.48	6.63
Maryland	7.79	NA	7.40	8.71	7.67	7.38	NA	8.19
Massachusetts	NA	NA	9.14	NA	NA	NA	NA	NA
Michigan	4.82	4.74	4.87	4.94	4.79	4.77	5.12	4.85
Minnesota	NA	5.02	5.11	5.86	NA	NA	NA	NA
Mississippi	5.96	5.15	5.66	6.86	5.66	5.81	NA	5.87
Missouri	6.16	5.63	5.95	6.34	6.04	6.16	6.28	6.38
Montana	5.31	4.85	4.90	5.43	5.28	5.25	5.15	5.03
Nebraska	5.03	4.40	4.92	5.38	5.06	4.76	5.06	5.23
Nevada	NA	6.78	6.69	6.25	6.25	NA	7.10	6.16
New Hampshire	8.31	7.73	8.57	8.51	8.32	8.15	7.73	8.65
New Jersey	NA	NA	6.68	NA	NA	8.90	NA	NA
New Mexico	5.65	4.06	4.36	6.04	5.26	5.72	4.61	3.07
New York	NA	NA	9.06	8.98	NA	NA	NA	NA
North Carolina	8.18	7.33	8.02	9.07	7.58	8.27	8.32	8.95
North Dakota	NA	4.67	4.62	5.04	^R 4.73	NA	NA	NA
Ohio	6.18	5.74	6.00	6.30	6.09	6.18	NA	6.36
Oklahoma	5.81	4.97	5.43	6.23	5.57	5.80	5.85	6.23
Oregon	7.40	6.79	6.33	7.48	7.42	7.33	7.17	7.10
Pennsylvania	NA	7.77	7.93	7.79	NA	7.31	8.22	7.67
Rhode Island	6.22	8.82	8.91	8.73	4.23	8.87	9.53	9.54
South Carolina	8.75	8.34	7.97	9.53	8.40	8.76	8.61	8.76
South Dakota	5.69	4.98	5.12	5.97	5.87	5.36	5.83	6.10
Tennessee	6.44	5.97	6.22	7.34	6.45	6.03	NA	7.47
Texas	5.55	5.04	5.60	6.20	5.49	5.26	6.03	5.53
Utah	6.08	5.46	5.66	5.91	6.16	6.16	5.37	5.49
Vermont	7.39	6.54	6.24	7.45	7.33	7.42	7.13	7.65
Virginia	7.85	7.77	7.89	8.32	7.78	7.65	NA	8.16
Washington	NA	NA	5.79	NA	NA	NA	NA	NA
West Virginia	NA	NA	6.68	NA	NA	7.44	NA	NA
Wisconsin	6.17	6.01	6.12	6.49	6.19	5.99	6.19	6.09
Wyoming	4.99	5.05	4.97	5.05	4.94	5.00	5.28	5.14
Total	6.49	6.07	6.38	6.82	6.45	6.30	^R 6.62	^R 6.45

See footnotes at end of table.

Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	1999							
	November	October	September	August	July	June	May	April
Alabama	9.17	10.27	11.61	11.91	11.38	10.98	9.83	7.83
Alaska	3.58	3.70	3.84	4.27	4.31	4.10	3.81	3.65
Arizona	10.32	11.84	12.63	12.84	12.26	11.03	9.57	8.75
Arkansas	NA	9.42	8.95	10.63	9.65	9.45	8.25	6.70
California	7.13	7.51	6.88	7.21	7.04	6.82	6.22	5.98
Colorado	5.64	6.04	7.43	7.59	7.16	6.13	5.12	5.00
Connecticut	10.89	11.17	^R 9.77	11.45	^R 10.47	^R 10.78	11.30	10.29
Delaware	8.99	10.69	12.48	12.52	10.58	10.97	9.32	8.39
District of Columbia	10.10	11.34	12.39	8.28	NA	8.24	8.95	7.96
Florida	12.87	^R 14.76	^R 15.03	^R 14.74	^R 14.25	^R 13.92	12.64	11.46
Georgia	7.98	6.78	8.40	10.62	11.45	10.16	NA	4.12
Hawaii	19.50	20.03	19.71	19.38	18.71	18.56	18.60	18.04
Idaho	5.82	5.92	6.58	6.55	6.21	5.83	5.46	5.31
Illinois	6.31	6.91	8.49	9.46	8.85	8.12	7.66	5.27
Indiana	^R 6.13	^R 6.57	^R 8.75	^R 9.10	^R 9.27	^R 8.86	^R 7.64	NA
Iowa	6.52	7.56	9.24	13.37	9.40	11.36	7.77	6.00
Kansas	7.02	7.58	9.02	8.66	8.77	7.74	6.65	5.60
Kentucky	5.87	7.00	7.53	8.16	8.17	7.75	6.75	5.46
Louisiana	8.44	9.10	9.59	9.37	8.55	8.03	7.58	6.19
Maine	7.40	^R 7.83	8.26	9.13	9.11	^R 9.24	^R 8.64	7.85
Maryland	9.02	10.03	12.70	12.97	NA	11.87	NA	7.98
Massachusetts	NA	NA	NA	NA	NA	NA	NA	NA
Michigan	5.13	5.59	7.15	7.75	7.68	6.46	5.72	5.10
Minnesota	NA	6.25	7.47	7.91	8.04	7.19	6.26	5.21
Mississippi	7.03	7.62	6.99	7.77	7.22	7.12	6.92	NA
Missouri	6.84	7.73	9.35	10.48	9.85	6.09	7.08	6.06
Montana	5.32	5.57	6.27	7.46	6.58	5.99	4.66	4.95
Nebraska	6.02	6.52	7.73	8.04	7.13	6.76	5.33	4.70
Nevada	7.18	8.24	8.85	9.03	8.86	8.15	7.39	7.00
New Hampshire	9.07	7.25	8.75	9.29	8.68	7.88	6.38	5.67
New Jersey	NA	NA	NA	NA	NA	NA	NA	NA
New Mexico	3.78	4.46	9.67	10.81	9.10	8.08	8.82	5.63
New York	NA	NA	NA	NA	NA	NA	NA	NA
North Carolina	8.95	10.76	11.70	13.19	11.74	12.98	8.76	7.92
North Dakota	5.71	6.10	7.31	7.90	7.54	7.23	5.19	4.71
Ohio	6.57	6.76	8.04	NA	8.41	7.89	6.83	5.83
Oklahoma	8.06	8.21	9.13	9.49	8.80	3.77	6.95	5.59
Oregon	7.16	7.67	8.64	8.91	10.50	7.75	7.26	7.04
Pennsylvania	8.14	9.20	10.69	11.99	11.40	10.69	9.19	7.68
Rhode Island	10.00	10.45	12.23	12.29	12.14	11.36	9.79	9.48
South Carolina	8.85	9.37	10.20	10.46	10.20	9.89	8.48	8.17
South Dakota	6.27	7.09	8.26	9.81	8.69	8.46	6.48	5.43
Tennessee	7.48	8.43	8.06	9.25	8.86	9.32	NA	NA
Texas	7.26	8.43	9.00	9.13	7.40	7.90	6.94	6.00
Utah	5.90	5.11	5.44	6.25	5.54	5.78	4.83	4.19
Vermont	7.51	7.63	9.33	9.38	9.33	8.42	7.41	6.83
Virginia	9.57	12.04	14.20	14.40	13.85	13.36	NA	8.72
Washington	NA	NA	NA	NA	NA	NA	NA	NA
West Virginia	NA	8.09	9.61	NA	10.66	9.88	NA	NA
Wisconsin	6.98	5.47	7.21	7.45	7.14	6.70	5.91	6.13
Wyoming	5.48	5.45	6.09	7.18	6.74	5.94	5.08	5.03
Total	7.09	^R7.50	^R8.45	^R8.96	^R8.54	^R7.96	^R7.11	6.32

See footnotes at end of table.

Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	1999			1998				
	March	February	January	Total	December	November	October	September
Alabama	7.03	8.29	7.13	8.21	9.06	10.01	10.99	10.77
Alaska	3.59	3.53	3.53	3.67	3.51	3.70	3.74	3.01
Arizona	8.57	8.17	8.03	8.50	8.34	9.85	11.96	12.93
Arkansas	6.16	6.94	5.66	6.85	6.82	6.79	8.12	8.80
California	6.22	6.54	6.82	6.92	6.88	6.79	6.87	7.00
Colorado	4.86	4.75	4.60	5.22	4.94	5.28	5.85	8.50
Connecticut	10.08	10.18	9.71	10.60	10.97	10.52	11.13	11.75
Delaware	8.05	8.10	8.05	8.90	8.58	9.44	11.69	12.86
District of Columbia	7.76	8.25	8.61	8.91	8.82	9.25	10.60	11.17
Florida	10.58	11.16	10.29	11.29	11.35	12.43	13.68	13.65
Georgia	2.44	2.38	2.01	6.78	2.42	3.45	8.03	15.61
Hawaii	18.15	18.34	18.79	19.25	18.86	19.39	19.25	19.39
Idaho	5.10	5.13	5.03	5.33	5.15	5.42	5.79	6.54
Illinois	4.63	4.62	4.46	5.47	4.77	5.02	5.98	8.08
Indiana	NA	NA	5.36	6.56	5.75	5.81	6.72	8.71
Iowa	5.26	5.07	4.79	5.96	4.96	5.75	7.39	11.08
Kansas	NA	NA	NA	6.00	5.52	5.88	7.43	7.95
Kentucky	4.82	5.27	5.24	6.03	5.35	5.76	7.99	9.44
Louisiana	5.98	5.86	5.42	6.68	6.89	7.81	8.90	8.78
Maine	7.38	7.34	7.00	8.09	7.64	7.45	7.66	8.94
Maryland	NA	NA	7.37	8.29	8.12	7.92	10.06	11.22
Massachusetts	NA	9.19	9.39	9.42	9.67	9.66	9.44	10.84
Michigan	4.78	4.76	4.68	5.17	4.87	4.85	5.43	7.03
Minnesota	5.08	5.06	4.96	5.48	5.22	5.31	6.02	7.05
Mississippi	4.94	5.94	4.84	6.08	6.44	4.48	7.74	7.80
Missouri	5.41	5.70	5.71	6.57	6.20	6.63	8.85	9.87
Montana	4.94	4.93	4.75	5.25	4.99	5.22	5.84	6.97
Nebraska	4.47	4.38	4.37	5.13	4.60	4.74	5.71	6.87
Nevada	6.94	6.75	6.70	7.11	6.74	7.14	8.00	9.25
New Hampshire	8.23	7.60	7.44	8.12	7.98	8.26	7.29	8.91
New Jersey	NA	NA	NA	7.33	8.16	8.24	8.51	9.12
New Mexico	4.03	4.92	3.54	5.22	3.23	4.20	8.02	10.26
New York	NA	NA	NA	9.59	9.30	9.50	11.62	12.66
North Carolina	6.20	8.40	7.56	8.69	9.45	8.31	11.70	12.53
North Dakota	4.76	4.67	4.62	5.16	5.01	5.05	5.65	7.64
Ohio	5.63	5.69	5.87	6.43	6.08	6.13	7.82	9.07
Oklahoma	5.33	5.48	4.45	5.93	5.51	6.15	8.42	9.25
Oregon	6.91	6.80	6.68	6.81	6.75	6.91	7.66	8.82
Pennsylvania	7.73	7.78	7.80	8.45	7.78	8.07	9.13	11.13
Rhode Island	8.88	8.90	8.71	9.56	9.40	9.80	10.79	12.16
South Carolina	7.81	9.14	8.25	8.30	8.95	8.77	9.56	10.05
South Dakota	5.00	5.09	4.89	5.59	4.99	5.35	6.34	8.38
Tennessee	6.36	6.06	5.71	6.73	6.74	7.04	8.58	8.87
Texas	5.18	5.20	4.89	6.16	5.40	6.43	7.98	8.59
Utah	5.59	5.33	5.51	5.57	5.61	5.72	4.74	6.08
Vermont	6.68	6.29	6.64	6.54	6.38	6.64	7.46	5.12
Virginia	7.34	7.98	7.96	8.57	8.09	8.10	10.85	12.39
Washington	NA	NA	NA	5.84	5.79	5.63	6.09	6.20
West Virginia	NA	6.96	6.90	7.29	7.18	7.34	8.19	9.82
Wisconsin	6.05	6.28	5.82	6.15	6.00	6.22	5.48	6.56
Wyoming	5.19	5.03	4.98	5.19	4.91	5.11	5.10	6.60
Total	6.01	6.24	5.99	6.82	6.34	6.58	7.60	8.96

^R Revised Data.

NA Not Available.

Notes: Data for 1998 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District

of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000			1999	
				March	February	January	Total	December
Alabama	6.80	6.44	6.38	7.39	6.49	6.78	6.71	6.98
Alaska	2.14	2.39	2.45	2.13	2.12	2.16	2.16	2.15
Arizona	6.20	6.15	5.63	6.23	6.24	6.14	6.18	6.21
Arkansas	NA	4.90	5.13	NA	NA	NA	NA	4.25
California	6.58	5.75	6.93	6.89	6.87	6.05	5.83	6.40
Colorado	NA	4.14	4.34	NA	NA	NA	NA	4.48
Connecticut	6.97	6.85	7.54	6.27	6.82	7.97	6.59	7.87
Delaware	6.13	6.66	6.68	6.40	6.46	5.69	7.02	6.94
District of Columbia	8.25	7.18	7.45	8.34	^R 8.55	7.89	NA	—
Florida	6.99	6.35	6.58	7.12	^R 6.98	^R 6.87	^R 6.52	6.84
Georgia	NA	2.86	5.92	NA	NA	NA	NA	NA
Hawaii	16.08	13.47	15.12	16.09	16.12	16.02	14.33	15.80
Idaho	4.88	4.51	4.43	4.88	4.90	4.86	4.77	4.92
Illinois	5.10	4.47	4.72	5.41	5.08	4.95	5.25	5.39
Indiana	NA	NA	5.49	NA	NA	NA	NA	NA
Iowa	4.82	4.17	4.31	5.17	4.91	4.57	4.80	5.23
Kansas	4.28	NA	4.69	4.16	4.40	4.25	NA	5.81
Kentucky	5.41	4.78	5.40	5.61	5.28	5.43	^R 5.15	5.78
Louisiana	5.66	5.25	5.29	5.94	5.67	5.46	^R 5.70	6.10
Maine	NA	6.68	7.56	NA	6.79	6.48	^R 6.70	6.25
Maryland	6.82	NA	6.23	7.27	7.07	6.31	NA	6.61
Massachusetts	NA	NA	7.76	NA	NA	NA	NA	NA
Michigan	4.66	4.67	4.77	4.69	4.65	4.66	4.84	4.58
Minnesota	NA	4.27	4.42	4.94	5.00	NA	4.44	4.53
Mississippi	5.02	NA	4.98	5.58	5.19	4.64	NA	4.95
Missouri	5.77	5.37	5.73	5.54	5.79	5.90	5.38	5.80
Montana	4.84	4.86	4.86	4.97	4.67	4.88	5.10	5.06
Nebraska	4.44	4.05	4.70	4.65	4.56	^R 4.19	4.10	4.32
Nevada	5.40	5.88	6.02	5.39	^R 5.44	^R 5.37	5.99	5.39
New Hampshire	NA	7.00	7.79	NA	7.80	7.44	NA	7.78
New Jersey	NA	NA	4.10	NA	NA	2.95	NA	NA
New Mexico	4.10	2.99	4.03	4.06	4.00	4.22	3.26	2.79
New York	NA	NA	6.55	3.53	NA	NA	NA	NA
North Carolina	6.82	6.18	6.78	7.35	6.51	6.80	6.31	7.34
North Dakota	NA	4.12	4.14	4.51	^R 4.31	NA	NA	NA
Ohio	5.89	5.45	5.64	5.86	5.84	5.96	NA	6.02
Oklahoma	5.67	4.86	5.30	5.88	5.48	5.75	5.11	6.05
Oregon	6.05	5.59	5.03	6.06	^R 6.06	6.04	5.80	5.90
Pennsylvania	6.03	7.17	7.35	5.54	5.59	6.77	8.38	7.01
Rhode Island	7.32	7.74	7.80	7.70	7.39	6.94	8.01	7.85
South Carolina	7.37	6.69	6.85	7.57	7.26	7.36	6.52	7.04
South Dakota	4.54	3.99	4.21	4.64	4.68	4.36	4.52	5.09
Tennessee	5.58	5.69	5.88	6.52	6.05	4.78	NA	6.43
Texas	4.46	4.26	4.65	4.41	4.61	4.34	4.39	4.45
Utah	4.72	4.19	4.41	4.63	4.70	4.82	4.12	4.54
Vermont	6.18	5.26	5.18	6.17	6.18	6.20	5.54	6.20
Virginia	6.19	5.84	6.23	6.18	6.25	6.14	6.04	6.24
Washington	NA	NA	4.66	NA	NA	NA	NA	NA
West Virginia	6.09	6.22	6.08	6.32	5.91	6.14	NA	NA
Wisconsin	5.16	4.92	4.95	5.34	5.15	5.07	4.94	5.20
Wyoming	4.20	4.52	4.75	3.76	4.46	4.43	4.50	4.39
Total	5.34	5.08	5.55	5.15	^R5.44	5.38	^R5.27	5.44

See footnotes at end of table.

Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	1999							
	November	October	September	August	July	June	May	April
Alabama	7.07	6.88	7.22	7.31	7.22	7.08	6.86	6.26
Alaska	2.14	2.13	1.94	1.79	1.83	1.76	1.95	2.28
Arizona	6.34	6.32	6.27	6.38	6.13	6.05	6.07	6.11
Arkansas	NA	NA	NA	5.77	5.69	NA	NA	5.24
California	6.38	6.33	5.96	6.08	5.68	5.43	5.24	5.57
Colorado	4.41	NA	4.49	NA	4.47	4.38	4.18	NA
Connecticut	6.91	6.10	5.27	4.91	5.13	5.39	6.51	6.68
Delaware	7.21	7.51	8.20	8.78	8.29	7.89	7.31	6.82
District of Columbia	8.72	8.35	8.14	6.92	NA	6.84	6.64	6.70
Florida	6.98	6.85	^R 6.89	^R 6.63	^R 6.50	^R 6.35	6.29	6.19
Georgia	5.95	11.91	7.36	5.59	6.58	6.00	NA	3.43
Hawaii	15.90	15.71	14.90	14.45	14.46	14.00	13.28	13.08
Idaho	5.21	5.10	5.25	4.96	4.89	4.92	4.85	4.83
Illinois	6.18	6.36	7.26	8.57	7.98	7.15	6.61	4.83
Indiana	NA	^R 5.34	^R 5.95	^R 6.17	^R 6.63	^R 6.90	^R 5.81	^R 5.20
Iowa	5.28	5.47	5.80	6.19	6.25	6.44	5.51	4.67
Kansas	6.09	5.51	4.78	4.92	5.48	5.85	5.54	4.91
Kentucky	5.61	5.78	5.60	^R 5.73	5.75	5.59	4.36	5.03
Louisiana	6.68	6.22	^R 6.45	6.23	5.79	5.56	5.56	5.24
Maine	6.68	^R 6.84	6.89	6.89	6.81	6.70	7.20	7.01
Maryland	7.52	8.19	8.76	7.34	7.79	8.29	NA	7.03
Massachusetts	NA	NA	NA	NA	NA	6.12	6.24	7.79
Michigan	4.93	5.18	5.71	6.08	5.86	5.67	5.14	4.94
Minnesota	5.08	4.62	5.02	4.65	4.50	4.61	4.38	4.01
Mississippi	5.41	5.01	4.62	4.88	4.45	4.44	4.79	NA
Missouri	5.54	5.40	5.58	5.81	5.68	3.63	5.22	5.19
Montana	5.37	5.67	5.87	6.54	5.99	5.63	4.60	4.88
Nebraska	4.62	4.33	4.36	4.11	3.84	3.94	3.84	3.77
Nevada	6.00	6.31	6.50	6.33	6.49	6.40	6.09	6.10
New Hampshire	7.83	5.92	6.19	^R 6.66	6.16	^R 6.25	NA	5.40
New Jersey	NA	NA	NA	NA	NA	NA	NA	NA
New Mexico	3.01	2.83	4.16	5.60	4.64	3.56	3.47	4.47
New York	NA	NA	NA	NA	NA	NA	NA	NA
North Carolina	6.83	6.61	6.13	6.28	6.13	6.12	5.85	5.62
North Dakota	NA	5.05	5.21	4.97	5.07	4.98	3.94	3.94
Ohio	6.04	5.91	6.17	NA	6.60	6.55	5.82	5.37
Oklahoma	5.81	5.23	5.30	5.36	5.43	5.98	4.98	4.70
Oregon	5.63	7.76	5.95	5.98	5.83	5.75	5.65	5.65
Pennsylvania	6.90	7.76	7.70	8.21	7.83	8.96	7.09	19.91
Rhode Island	8.01	8.15	8.58	14.12	8.91	8.70	8.45	8.03
South Carolina	7.16	6.05	6.12	6.01	5.90	6.00	6.04	6.45
South Dakota	4.86	5.36	5.56	5.99	5.29	5.37	4.91	4.23
Tennessee	6.31	5.34	5.08	5.89	5.79	5.48	5.39	NA
Texas	4.88	4.81	4.70	4.31	4.02	4.37	4.16	4.47
Utah	4.72	3.98	3.99	4.10	4.19	3.85	3.31	3.24
Vermont	5.98	5.54	5.68	5.76	5.72	5.64	5.57	5.50
Virginia	6.35	6.59	6.50	6.33	6.22	5.79	5.90	5.82
Washington	NA	NA	NA	NA	NA	NA	NA	NA
West Virginia	6.18	6.29	^R 7.01	^R 6.93	6.76	^R 6.95	6.88	6.06
Wisconsin	5.83	4.12	5.50	4.98	4.68	4.64	4.28	4.41
Wyoming	4.53	4.52	4.50	4.92	4.68	4.53	4.51	4.44
Total	5.46	^R 5.36	^R 5.43	^R 5.36	^R 5.26	^R 5.27	^R 5.13	^R 5.72

See footnotes at end of table.

Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	1999			1998				
	March	February	January	Total	December	November	October	September
Alabama	6.10	6.93	6.33	6.65	7.07	7.40	6.94	6.80
Alaska	2.34	2.38	2.44	2.41	2.46	2.48	2.33	3.23
Arizona	6.12	6.18	6.15	6.00	6.31	6.44	6.51	5.83
Arkansas	4.85	5.27	4.70	5.16	5.28	5.17	4.91	5.03
California	5.17	6.28	5.82	6.33	6.38	6.08	5.73	5.93
Colorado	4.14	4.12	4.15	4.34	4.21	3.86	3.94	4.59
Connecticut	6.93	7.03	6.63	6.89	7.60	6.79	5.54	5.48
Delaware	6.69	6.59	6.68	7.05	6.89	6.93	8.05	8.72
District of Columbia	6.92	7.06	7.53	7.36	7.67	7.65	7.45	7.32
Florida	6.22	6.42	6.41	6.40	6.23	6.27	6.28	6.12
Georgia	2.17	2.35	3.78	6.00	2.77	3.36	4.95	9.16
Hawaii	13.19	13.41	13.79	14.15	13.81	14.00	14.04	16.65
Idaho	4.49	4.59	4.46	4.62	4.59	4.84	4.92	4.95
Illinois	4.46	4.48	4.47	5.07	4.69	4.88	5.32	6.10
Indiana	NA	4.52	4.39	5.50	4.72	4.89	5.33	6.19
Iowa	4.11	4.30	4.12	4.67	4.06	4.52	5.15	6.54
Kansas	NA	NA	NA	4.98	5.11	5.10	5.34	5.50
Kentucky	4.39	4.93	4.98	5.43	5.12	5.16	5.78	5.79
Louisiana	5.29	5.22	5.25	5.64	6.02	6.15	6.07	5.79
Maine	6.81	6.79	6.48	7.23	6.96	6.68	6.55	6.89
Maryland	NA	NA	6.49	6.64	7.11	6.07	7.71	7.27
Massachusetts	7.72	NA	8.08	7.32	7.68	7.49	6.06	6.19
Michigan	4.69	4.68	4.65	4.90	4.78	4.70	5.12	5.42
Minnesota	4.20	4.25	4.33	4.39	4.37	4.26	4.22	3.92
Mississippi	4.25	4.95	NA	4.74	5.04	3.72	4.78	3.85
Missouri	5.06	5.43	5.55	5.68	5.60	5.50	6.17	5.71
Montana	4.90	4.91	4.80	5.13	5.01	5.19	5.68	6.19
Nebraska	3.98	4.00	4.14	4.25	3.77	3.74	3.50	3.31
Nevada	5.89	5.92	5.85	6.28	6.22	6.69	6.99	7.32
New Hampshire	6.97	7.15	6.89	7.18	7.38	7.30	5.94	6.40
New Jersey	NA	NA	NA	3.70	3.15	3.22	3.14	2.98
New Mexico	3.53	3.40	2.45	4.04	3.15	3.42	4.16	4.50
New York	NA	NA	NA	6.08	6.05	5.61	5.40	5.64
North Carolina	5.87	6.44	6.25	6.63	7.16	6.90	6.24	6.27
North Dakota	4.09	4.04	4.19	4.37	4.33	4.35	4.43	4.77
Ohio	5.26	5.33	5.67	5.83	5.69	5.70	6.92	7.03
Oklahoma	5.09	5.23	4.49	5.05	4.10	6.05	5.18	5.22
Oregon	5.63	5.64	5.51	5.25	5.96	4.39	5.48	5.50
Pennsylvania	7.00	7.22	7.26	7.43	6.82	6.70	7.41	8.06
Rhode Island	7.73	7.75	7.74	8.12	8.02	8.11	8.65	9.14
South Carolina	6.40	6.94	6.75	6.48	6.77	6.61	5.76	5.91
South Dakota	3.90	4.16	3.92	4.43	3.98	4.25	4.86	5.67
Tennessee	5.68	5.72	5.67	6.04	6.40	6.34	6.87	5.85
Texas	4.04	4.29	4.36	4.44	4.30	4.27	4.20	4.19
Utah	4.25	4.14	4.20	4.35	4.53	4.68	3.99	4.42
Vermont	5.49	5.23	5.12	5.08	4.72	4.95	4.81	4.63
Virginia	5.67	6.04	5.81	6.12	6.02	6.11	6.33	6.24
Washington	NA	NA	NA	4.75	4.68	5.32	4.77	4.85
West Virginia	6.19	6.23	6.23	6.26	5.97	6.30	6.36	6.29
Wisconsin	4.77	4.89	5.04	4.70	4.68	4.71	3.81	4.12
Wyoming	4.51	^R 4.48	4.55	4.45	2.85	4.65	4.81	4.89
Total	5.00	5.17	5.08	5.48	5.23	5.22	5.31	5.49

^R Revised Data.

NA Not Available.

— Not Applicable.

Notes: Data for 1998 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Average prices for gas delivered to commercial consumers

reflect onsystem sales prices only. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy. See Table 25 for data on onsystem sales expressed as a percentage of both total commercial and total industrial deliveries.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000			1999	
				March	February	January	Total	December
Alabama	3.45	3.20	3.36	3.44	3.47	3.45	3.32	3.42
Alaska	1.41	1.18	1.51	1.43	1.41	1.40	1.25	1.37
Arizona	3.48	3.52	3.38	3.53	3.54	3.38	3.42	3.44
Arkansas	4.51	3.43	3.74	4.47	4.47	4.58	NA	4.69
California	4.22	NA	4.49	4.37	4.45	3.82	NA	4.05
Colorado	NA	2.30	1.98	NA	^R 2.81	NA	NA	2.53
Connecticut	5.46	4.38	5.03	5.49	5.53	5.36	4.18	4.93
Delaware	4.00	4.06	4.13	4.24	5.40	2.64	4.16	3.96
District of Columbia	—	—	—	—	—	—	—	—
Florida	4.31	3.79	4.17	4.49	4.40	4.06	3.99	4.18
Georgia	NA	2.65	4.46	NA	NA	NA	NA	NA
Hawaii	8.43	8.18	—	8.53	8.48	8.28	8.21	8.28
Idaho	3.49	3.19	3.09	3.42	3.50	3.54	3.30	3.55
Illinois	4.22	3.69	4.19	5.05	3.78	4.06	4.04	4.58
Indiana	NA	NA	4.36	NA	NA	NA	NA	^R 3.69
Iowa	4.08	3.38	3.06	4.26	3.88	4.14	3.96	5.03
Kansas	3.70	NA	3.86	3.56	4.03	3.59	NA	3.48
Kentucky	3.85	3.21	4.46	3.60	4.07	3.87	3.30	4.12
Louisiana	2.87	1.98	2.70	2.94	2.92	2.77	2.53	2.90
Maine	NA	5.53	6.27	NA	6.05	5.20	4.87	4.98
Maryland	NA	5.38	5.98	6.67	7.89	NA	5.57	6.14
Massachusetts	NA	NA	6.83	NA	NA	NA	NA	NA
Michigan	3.96	3.78	3.80	4.18	3.84	3.92	3.92	3.92
Minnesota	NA	2.78	3.06	3.29	NA	3.28	NA	NA
Mississippi	3.47	NA	3.35	3.49	3.52	3.35	NA	3.21
Missouri	4.88	NA	4.69	4.65	5.12	4.87	NA	4.99
Montana	4.39	4.19	4.27	4.22	4.51	4.40	4.55	4.40
Nebraska	4.23	3.23	3.42	4.30	4.48	3.92	3.39	3.59
Nevada	4.85	4.49	5.98	4.68	^R 5.08	4.82	4.63	4.81
New Hampshire	NA	6.56	6.40	NA	7.79	6.68	4.56	8.34
New Jersey	NA	NA	3.40	NA	NA	2.42	NA	NA
New Mexico	2.97	NA	3.50	2.84	2.79	3.44	NA	2.09
New York	4.92	NA	5.86	4.15	4.98	5.13	NA	4.94
North Carolina	4.98	3.68	4.54	4.71	5.13	5.04	3.73	5.13
North Dakota	3.09	2.55	3.08	3.07	^R 3.02	3.17	NA	NA
Ohio	5.27	5.17	4.38	4.97	5.39	5.38	NA	5.73
Oklahoma	4.54	3.48	4.09	4.48	4.63	4.51	^R 3.77	4.78
Oregon	4.39	3.96	3.68	4.46	4.31	4.39	4.01	4.31
Pennsylvania	4.96	4.49	4.53	4.69	4.96	5.20	4.21	4.56
Rhode Island	4.36	4.65	4.28	5.34	5.54	2.61	3.96	4.96
South Carolina	4.04	3.02	3.59	3.94	4.16	4.03	3.32	3.52
South Dakota	3.45	3.10	3.31	3.52	3.46	3.37	3.36	3.77
Tennessee	2.92	3.48	4.21	3.02	2.99	2.78	^R 3.05	2.78
Texas	2.69	2.04	2.55	2.80	2.72	2.55	NA	2.37
Utah	3.42	3.07	3.01	3.44	3.39	3.45	3.02	3.69
Vermont	4.20	2.80	3.01	4.01	4.38	4.21	3.08	3.73
Virginia	4.37	4.19	4.65	4.27	4.09	4.85	3.91	4.57
Washington	NA	NA	2.75	NA	NA	NA	NA	NA
West Virginia	NA	NA	3.32	NA	NA	4.42	NA	NA
Wisconsin	4.27	3.82	4.02	4.26	4.32	4.24	3.87	4.27
Wyoming	NA	NA	3.40	3.28	^R 3.30	NA	NA	3.19
Total	3.35	2.98	3.55	3.34	^R3.44	3.28	3.04	3.26

See footnotes at end of table.

Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	1999							
	November	October	September	August	July	June	May	April
Alabama	3.79	3.39	3.59	3.33	3.06	3.15	3.30	3.24
Alaska	1.34	1.29	1.16	1.33	1.27	1.24	1.21	1.18
Arizona	3.63	3.55	3.48	3.29	3.26	3.62	3.11	3.26
Arkansas	3.96	4.84	4.89	3.92	3.64	NA	3.57	3.35
California	4.44	4.02	2.44	3.67	3.48	3.34	2.86	3.12
Colorado	3.30	2.83	3.12	2.96	NA	2.41	2.46	2.28
Connecticut	4.63	4.16	3.92	3.82	3.54	3.70	3.70	3.98
Delaware	5.25	4.61	4.64	4.25	4.16	4.11	3.48	4.27
District of Columbia	—	—	—	—	—	—	—	—
Florida	4.42	3.86	4.35	4.20	3.99	4.11	3.92	3.82
Georgia	NA	NA	NA	NA	4.12	3.46	NA	3.39
Hawaii	8.19	8.29	8.28	8.04	8.04	8.31	8.52	8.02
Idaho	3.51	3.29	3.23	3.22	3.59	3.21	3.22	3.26
Illinois	4.76	5.17	4.56	4.05	4.17	4.03	3.85	3.17
Indiana	^R 3.91	^R 3.91	^R 3.94	^R 3.44	3.93	3.95	NA	NA
Iowa	4.95	4.63	4.59	3.96	2.30	6.02	3.52	3.27
Kansas	3.75	^R 3.38	2.82	2.62	2.52	2.51	NA	2.97
Kentucky	3.65	3.34	3.36	3.26	2.99	2.90	3.09	2.90
Louisiana	3.04	2.83	3.02	2.76	2.53	2.40	2.24	2.37
Maine	4.92	4.60	3.92	4.58	4.38	4.10	4.40	6.11
Maryland	5.45	5.38	6.78	4.48	5.74	6.00	6.39	3.80
Massachusetts	NA	NA	NA	5.50	NA	NA	4.50	NA
Michigan	3.81	4.25	4.51	4.81	5.11	4.46	3.83	3.69
Minnesota	4.29	3.94	3.47	2.68	2.87	2.60	3.07	2.52
Mississippi	3.80	3.39	3.63	3.36	3.09	3.09	3.18	NA
Missouri	4.41	4.41	4.13	3.92	3.69	3.91	4.00	3.97
Montana	4.44	5.29	5.71	6.07	5.67	5.99	4.33	4.79
Nebraska	4.10	3.63	3.68	3.50	3.16	3.41	3.14	3.05
Nevada	4.84	4.51	4.83	4.79	4.71	4.76	4.62	4.51
New Hampshire	5.74	3.79	3.78	3.66	3.49	3.69	1.79	2.06
New Jersey	NA	NA	NA	NA	NA	NA	NA	NA
New Mexico	2.29	NA	NA	NA	3.39	3.35	3.36	NA
New York	4.95	4.95	4.84	NA	NA	NA	NA	NA
North Carolina	4.71	5.60	3.77	3.10	3.03	3.22	3.07	3.09
North Dakota	3.17	3.14	3.24	3.00	2.73	2.59	2.77	2.37
Ohio	5.49	5.28	5.11	NA	6.61	5.45	3.45	5.17
Oklahoma	3.96	3.48	^R 3.88	3.32	3.48	3.45	4.73	3.28
Oregon	4.19	3.94	4.08	^R 4.01	3.93	3.94	3.96	3.89
Pennsylvania	4.28	4.12	3.97	3.83	3.77	3.80	3.92	4.19
Rhode Island	4.60	4.62	4.19	2.61	3.33	3.29	3.74	3.52
South Carolina	4.08	3.68	3.74	3.45	3.10	3.22	3.07	2.79
South Dakota	3.69	3.76	3.85	3.51	3.53	3.54	3.26	3.02
Tennessee	2.79	2.90	2.20	^R 4.02	2.69	3.31	3.19	^R 3.44
Texas	3.10	2.74	2.97	2.86	2.53	2.41	NA	2.14
Utah	3.04	2.90	2.93	2.85	2.85	2.86	2.92	2.99
Vermont	3.56	3.39	3.23	3.02	2.83	2.82	2.80	2.74
Virginia	5.83	3.50	3.39	2.92	3.39	3.49	3.40	3.13
Washington	NA	NA	NA	NA	NA	NA	NA	NA
West Virginia	NA	3.25	3.58	3.42	^R 3.05	NA	2.68	NA
Wisconsin	4.67	3.60	4.07	3.73	3.30	3.53	3.41	3.86
Wyoming	3.16	3.18	3.04	^R 3.30	^R 3.26	^R 3.15	^R 3.14	^R 2.64
Total	3.45	3.21	3.13	^R3.06	2.90	2.87	2.66	2.82

See footnotes at end of table.

Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	1999			1998				
	March	February	January	Total	December	November	October	September
Alabama	3.05	3.34	3.24	3.30	3.59	3.32	3.28	3.05
Alaska	1.17	1.18	1.20	1.34	1.22	1.22	1.22	1.21
Arizona	3.71	3.42	3.48	3.26	3.38	3.24	2.99	3.09
Arkansas	3.42	3.48	3.40	3.48	3.78	3.33	3.25	3.05
California	3.09	NA	4.02	3.77	3.70	3.60	2.83	3.38
Colorado	2.16	2.32	2.41	2.61	0.93	1.17	1.22	0.78
Connecticut	4.23	4.39	4.49	4.34	4.55	4.22	3.88	3.48
Delaware	4.00	3.93	4.33	4.13	3.68	3.79	3.70	4.33
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.66	3.92	3.82	3.98	3.74	3.94	3.91	3.53
Georgia	2.76	2.64	2.55	3.92	2.18	2.55	3.20	3.71
Hawaii	8.10	8.07	8.41	—	8.64	—	—	—
Idaho	3.14	3.23	3.19	3.09	3.08	3.16	3.02	2.94
Illinois	3.50	3.71	3.81	3.96	3.82	3.63	3.34	3.73
Indiana	NA	3.01	NA	4.28	4.06	3.84	3.34	3.86
Iowa	3.33	3.52	3.32	3.49	3.57	3.83	3.71	3.61
Kansas	2.98	3.25	NA	3.17	3.26	3.17	2.86	2.45
Kentucky	3.10	3.35	3.17	4.00	3.97	3.42	3.94	3.89
Louisiana	1.88	1.95	2.12	2.31	1.65	2.35	2.30	2.04
Maine	5.76	6.05	5.20	5.13	6.13	4.97	4.26	3.96
Maryland	4.25	6.65	6.18	5.26	5.22	4.74	4.14	5.76
Massachusetts	NA	6.88	4.62	5.69	6.45	5.60	4.23	4.13
Michigan	3.76	3.66	3.92	3.91	3.88	3.53	4.20	4.58
Minnesota	2.67	2.81	2.86	2.88	2.96	2.77	2.63	2.64
Mississippi	2.65	3.12	NA	3.22	3.32	2.77	3.05	3.09
Missouri	4.00	NA	4.74	4.51	3.83	4.28	4.02	4.13
Montana	4.79	4.78	3.40	4.68	4.21	4.64	4.84	9.73
Nebraska	3.21	3.12	3.35	3.26	3.33	3.31	2.89	2.59
Nevada	4.45	4.50	4.50	4.74	4.59	4.53	4.39	4.35
New Hampshire	6.42	6.73	6.51	4.66	5.08	4.98	2.89	3.79
New Jersey	NA	NA	NA	2.97	2.46	2.58	2.50	2.47
New Mexico	3.60	3.58	NA	3.22	0.56	2.69	2.77	3.17
New York	NA	NA	NA	4.02	3.05	3.02	2.64	2.44
North Carolina	3.79	3.60	3.63	3.96	4.13	3.91	3.64	3.56
North Dakota	2.47	2.53	2.66	2.82	3.07	2.58	2.45	2.06
Ohio	4.90	5.13	5.42	4.39	4.65	3.69	4.66	4.64
Oklahoma	3.50	3.50	3.45	3.66	3.43	3.33	3.58	3.34
Oregon	3.69	4.37	3.87	3.75	4.23	3.48	3.94	3.55
Pennsylvania	4.41	4.45	4.59	4.15	4.16	3.99	3.83	3.91
Rhode Island	4.32	4.77	5.00	3.82	3.85	3.68	3.93	3.08
South Carolina	2.93	3.15	3.00	3.29	3.31	3.22	3.16	2.95
South Dakota	3.03	3.12	3.13	3.28	3.11	3.13	3.27	3.44
Tennessee	^R 3.33	3.54	3.57	3.94	3.26	4.07	3.44	3.54
Texas	1.98	2.04	2.12	2.35	2.27	2.16	2.12	1.85
Utah	3.31	3.16	2.85	3.00	3.20	3.15	2.94	2.99
Vermont	2.72	2.75	3.00	2.80	2.61	2.30	2.84	2.74
Virginia	3.76	3.88	5.07	4.07	5.16	4.34	3.75	3.24
Washington	NA	NA	NA	2.64	2.51	2.44	2.35	2.39
West Virginia	NA	2.82	2.40	3.39	3.35	3.30	3.62	3.42
Wisconsin	3.72	3.82	3.90	3.78	3.85	3.90	3.25	2.98
Wyoming	^R 3.81	NA	^R 2.95	3.37	3.38	3.37	3.29	3.32
Total	2.91	2.97	3.07	3.14	2.92	2.95	2.75	2.65

^R Revised Data.

NA Not Available.

— Not Applicable.

Notes: Data for 1998 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Average prices for gas delivered to industrial consumers

reflect onsystem sales prices only. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy. See Table 25 for data on onsystem sales expressed as a percentage of both total commercial and total industrial deliveries.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 24. Average Price of Natural Gas Delivered to Electric Utility^a Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000		1999		
				February	January	Total	December	November
Alabama	4.34	2.15	2.73	2.94	4.94	2.82	3.72	3.09
Alaska	1.63	1.69	1.86	1.64	1.62	1.59	1.57	1.55
Arizona	2.77	2.31	2.71	2.94	2.64	2.67	2.62	3.04
Arkansas	2.87	1.97	2.21	2.86	2.84	2.60	2.60	2.56
California	3.02	2.63	2.88	3.23	2.83	2.76	2.74	3.00
Colorado	2.69	2.83	2.81	2.78	2.51	2.69	2.66	2.84
Connecticut	—	2.11	2.73	—	—	2.72	3.20	3.06
Delaware	4.44	3.18	4.86	5.87	3.61	2.91	3.81	3.70
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.17	2.86	2.36	3.33	3.03	3.10	2.95	3.56
Georgia	6.25	3.33	2.54	11.20	1.20	2.57	2.85	3.65
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	2.52	2.11	2.26	3.14	2.78	2.40	2.37	2.25
Indiana	3.31	2.94	3.21	3.31	3.29	2.98	3.26	4.05
Iowa	2.91	3.50	3.20	3.19	3.00	3.08	3.14	3.12
Kansas	2.56	2.11	2.73	2.69	2.56	2.37	2.57	2.87
Kentucky	3.26	2.59	3.53	3.59	3.17	3.20	2.93	4.25
Louisiana	2.81	2.11	2.55	2.96	2.71	2.58	2.49	3.09
Maine	—	—	—	—	—	—	—	—
Maryland	3.80	3.51	3.52	3.72	3.84	3.11	3.60	3.68
Massachusetts	3.14	2.34	3.08	3.42	2.98	2.71	3.39	2.88
Michigan	1.85	1.73	0.65	2.06	1.78	1.52	1.58	1.69
Minnesota	3.11	3.18	2.63	3.56	2.62	2.59	3.23	4.20
Mississippi	2.77	2.01	2.47	2.94	2.66	2.47	2.52	2.56
Missouri	2.78	2.32	2.70	2.85	2.75	2.64	2.78	3.00
Montana	4.06	2.31	6.28	3.71	4.13	4.02	1.39	1.44
Nebraska	3.07	2.55	3.36	3.24	2.87	2.74	3.05	4.18
Nevada	2.86	2.29	2.39	2.69	2.99	2.51	2.72	2.78
New Hampshire	3.18	—	—	3.18	—	2.87	—	—
New Jersey	4.53	2.90	2.91	4.15	4.98	3.08	3.69	3.08
New Mexico	2.54	1.96	2.37	2.58	2.47	2.31	2.39	2.40
New York	4.09	2.67	2.98	4.20	3.96	2.84	3.14	3.19
North Carolina	4.26	3.34	3.02	4.35	4.21	2.85	4.72	4.70
North Dakota	—	—	—	—	—	—	—	—
Ohio	3.80	3.59	3.25	4.60	3.46	3.04	4.20	3.11
Oklahoma	3.22	2.49	3.69	3.44	3.08	2.78	3.07	3.43
Oregon	2.21	1.94	1.09	2.20	2.22	1.96	2.20	2.26
Pennsylvania	3.28	2.95	2.71	3.35	3.24	3.02	3.08	3.15
Rhode Island	—	—	3.39	—	—	—	—	—
South Carolina	8.20	2.92	3.92	7.47	8.54	3.63	4.06	3.80
South Dakota	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	2.65	2.10	2.45	2.73	2.59	2.51	2.60	2.94
Utah	2.85	2.21	—	2.83	2.86	2.64	2.68	3.14
Vermont	3.29	2.52	2.92	3.33	3.09	3.23	2.92	3.78
Virginia	3.55	3.15	3.31	4.01	3.23	3.19	3.69	3.96
Washington	—	—	1.67	—	—	—	—	—
West Virginia	3.49	3.07	5.59	3.07	4.36	2.98	—	2.95
Wisconsin	3.17	2.72	2.90	3.16	3.22	2.93	2.97	3.44
Wyoming	2.75	5.64	8.60	2.70	2.82	3.88	1.98	2.39
Total	2.83	2.29	2.58	2.95	2.74	2.62	2.68	3.01

See footnotes at end of table.

Table 24. Average Price of Natural Gas Delivered to Electric Utility^a Consumers, by State, 1998-2000
(Dollars per Thousand Cubic Feet) — Continued

State	1999							
	October	September	August	July	June	May	April	March
Alabama	3.95	3.64	2.28	3.26	2.73	2.70	2.52	2.25
Alaska	1.48	1.40	1.50	1.62	1.59	1.61	1.60	1.72
Arizona	2.96	3.03	2.84	2.56	2.62	2.67	2.22	2.13
Arkansas	2.90	3.06	2.96	2.58	2.49	2.52	2.22	1.88
California	2.98	3.19	3.00	2.71	2.57	2.73	2.42	2.75
Colorado	3.13	2.94	2.52	2.53	3.18	2.60	2.25	2.18
Connecticut	3.02	2.88	2.65	2.59	2.52	2.50	2.54	2.12
Delaware	3.34	3.35	3.06	2.72	2.71	2.53	2.46	2.46
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.22	3.54	3.33	2.98	3.04	3.14	2.66	2.58
Georgia	3.13	2.62	2.66	2.60	2.47	2.58	2.13	1.37
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	3.15	2.86	2.72	2.48	2.44	2.36	2.20	1.86
Indiana	4.56	4.04	2.86	2.82	2.79	3.19	3.14	2.71
Iowa	3.54	3.52	2.94	2.93	2.97	3.01	2.78	3.13
Kansas	2.81	2.73	2.60	2.31	2.35	2.35	2.08	1.80
Kentucky	3.45	3.33	3.26	2.88	3.15	5.12	3.77	3.33
Louisiana	2.87	3.07	2.91	2.55	2.52	2.58	2.25	2.01
Maine	—	—	—	—	—	—	—	—
Maryland	3.25	3.29	3.44	2.98	2.88	3.27	2.55	2.60
Massachusetts	3.10	2.99	2.99	2.73	2.75	2.58	2.26	2.10
Michigan	0.96	1.19	1.55	1.92	1.79	1.74	1.09	0.88
Minnesota	3.52	3.08	1.93	2.60	2.48	2.32	2.31	2.56
Mississippi	2.82	2.79	2.79	2.43	2.43	2.45	2.30	1.91
Missouri	3.06	2.81	2.91	2.54	2.48	2.41	2.31	2.16
Montana	2.48	5.15	6.14	4.20	4.40	10.99	5.69	7.37
Nebraska	2.89	3.05	3.24	2.59	2.63	2.72	2.46	1.37
Nevada	2.68	2.78	2.49	2.43	2.46	2.43	2.55	2.07
New Hampshire	—	3.02	3.02	2.43	2.44	—	—	—
New Jersey	3.35	3.24	3.37	2.97	2.88	2.85	2.94	2.46
New Mexico	2.58	2.69	2.68	2.30	2.31	2.22	2.05	1.79
New York	3.28	3.20	3.05	2.80	2.72	2.71	2.49	2.37
North Carolina	3.61	3.11	3.09	2.56	2.70	2.71	3.31	3.32
North Dakota	—	—	—	—	—	—	—	—
Ohio	3.11	2.91	2.98	3.34	2.99	2.42	2.06	2.99
Oklahoma	3.15	3.18	2.94	2.65	2.59	2.66	2.58	2.28
Oregon	2.00	1.83	1.66	1.78	1.99	1.91	1.79	1.67
Pennsylvania	3.09	2.95	3.12	3.40	2.36	3.18	2.55	3.02
Rhode Island	—	—	—	—	—	—	—	—
South Carolina	3.84	3.99	3.85	3.47	3.70	3.46	2.94	3.02
South Dakota	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	2.76	2.88	2.83	2.44	2.40	2.44	2.17	1.99
Utah	3.12	2.85	2.67	2.39	2.43	2.36	2.36	2.56
Vermont	2.17	3.25	3.31	—	2.94	3.03	2.56	2.44
Virginia	4.29	3.35	3.42	2.78	3.39	2.89	2.79	3.09
Washington	—	—	—	—	—	—	—	—
West Virginia	2.88	2.91	2.93	3.13	3.08	2.81	3.12	2.96
Wisconsin	3.29	3.45	2.99	2.90	2.80	2.92	2.63	2.51
Wyoming	3.95	5.75	4.59	3.14	2.60	6.59	13.06	6.02
Total	2.83	2.98	2.86	2.58	2.53	2.57	2.29	2.15

See footnotes at end of table.

Table 24. Average Price of Natural Gas Delivered to Electric Utility^a Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	1999		1998					
	February	January	Total	December	November	October	September	August
Alabama	2.07	2.22	2.58	2.68	2.47	2.62	2.46	2.50
Alaska	1.70	1.68	1.80	1.72	1.74	1.72	1.73	1.76
Arizona	2.29	2.32	2.42	2.38	2.77	2.11	2.33	2.28
Arkansas	1.94	2.04	2.29	2.35	—	2.25	2.15	2.05
California	2.55	2.70	2.79	2.96	2.86	2.56	2.50	2.83
Colorado	2.24	3.26	2.98	3.33	3.15	2.71	2.82	3.31
Connecticut	2.02	2.11	2.44	1.90	2.45	2.07	2.22	2.34
Delaware	2.98	3.34	2.89	3.34	3.24	2.66	2.41	2.66
District of Columbia	—	—	—	—	—	—	—	—
Florida	2.86	2.86	2.27	1.39	2.30	2.30	2.18	2.18
Georgia	2.15	4.83	3.21	2.11	2.67	3.80	4.00	2.82
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	1.81	2.27	2.25	2.12	2.31	2.20	2.01	1.95
Indiana	2.78	2.99	2.88	3.36	2.86	3.23	2.74	2.58
Iowa	3.45	3.56	3.07	3.38	3.11	2.93	2.91	2.80
Kansas	1.96	2.24	2.14	2.21	2.25	2.03	1.87	1.99
Kentucky	2.99	2.51	3.40	2.90	3.11	2.85	2.42	2.43
Louisiana	2.09	2.13	2.37	2.16	2.32	2.25	2.12	2.17
Maine	—	—	—	—	—	—	—	—
Maryland	3.46	3.52	2.75	2.64	3.85	3.13	2.53	2.49
Massachusetts	2.13	2.43	2.78	2.26	2.44	2.28	2.13	2.35
Michigan	1.33	2.07	1.24	1.25	1.10	1.46	1.67	1.38
Minnesota	3.49	3.02	2.36	3.43	2.69	2.32	2.00	2.41
Mississippi	1.95	2.05	2.31	1.97	2.28	2.21	2.16	2.16
Missouri	2.29	2.34	2.26	2.31	2.32	2.14	2.13	1.95
Montana	5.20	2.04	2.06	1.48	1.37	1.30	1.02	4.99
Nebraska	2.79	2.28	2.40	2.92	2.81	2.10	1.93	2.49
Nevada	2.40	2.20	2.38	2.01	2.61	2.33	2.42	2.42
New Hampshire	—	—	—	—	—	—	—	—
New Jersey	2.76	2.95	2.74	2.44	3.11	2.74	2.56	2.46
New Mexico	1.89	2.03	2.22	2.14	2.34	2.02	1.90	2.03
New York	2.55	2.80	2.57	2.43	2.80	2.30	2.21	2.29
North Carolina	3.33	3.34	2.81	3.93	3.59	3.00	2.53	2.55
North Dakota	—	—	—	—	—	—	—	—
Ohio	3.32	3.88	3.24	3.88	4.36	3.88	4.09	3.93
Oklahoma	2.55	2.44	2.48	2.28	2.50	2.41	2.16	2.07
Oregon	1.83	2.01	1.56	1.92	1.88	1.63	1.48	1.56
Pennsylvania	2.98	2.94	3.26	4.88	6.91	2.50	3.74	2.63
Rhode Island	—	—	3.38	—	—	—	—	3.40
South Carolina	2.86	3.00	3.62	4.05	3.71	3.21	3.37	3.53
South Dakota	—	—	1.77	—	—	—	1.77	—
Tennessee	—	—	—	—	—	—	—	—
Texas	2.09	2.10	2.30	2.24	2.25	2.16	2.05	2.11
Utah	2.19	2.24	2.11	2.45	2.42	2.20	1.95	2.04
Vermont	2.47	2.55	2.90	2.87	2.84	2.86	2.54	2.67
Virginia	3.12	3.18	3.10	4.03	3.72	3.09	2.76	2.60
Washington	—	—	3.44	—	—	—	—	—
West Virginia	2.93	3.19	3.29	3.02	3.25	1.20	2.94	3.85
Wisconsin	2.79	2.64	2.67	2.73	2.63	2.42	2.31	2.49
Wyoming	4.83	6.92	8.31	11.18	14.27	5.33	6.64	67.70
Total	2.26	2.32	2.40	2.22	2.37	2.22	2.15	2.21

^a Includes all steam electric utility generating plants with a combined capacity of 50 megawatts or greater.

— Not Applicable.

Notes: Data for 1998 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District

of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Sources: Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1998-2000

State	YTD 2000		YTD 1999		YTD 1998		2000	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	March	
							Commercial	Industrial
Alabama	80.4	16.7	78.5	16.4	83.5	26.5	76.3	14.9
Alaska	71.7	92.5	53.5	99.9	51.9	100.0	74.8	99.8
Arizona	83.5	40.5	85.2	30.9	87.2	31.5	82.7	38.7
Arkansas	NA	15.8	91.9	10.3	95.0	10.6	NA	15.4
California	58.8	7.0	60.6	12.3	65.1	11.1	58.7	6.1
Colorado	NA	NA	95.3	6.0	95.5	11.4	NA	NA
Connecticut	78.3	47.1	68.9	60.1	76.0	57.3	79.4	45.9
Delaware	98.0	14.6	100.0	21.6	100.0	28.8	97.2	17.2
District of Columbia	45.5	—	54.8	—	60.1	—	37.4	—
Florida	66.4	2.7	90.7	3.9	97.0	7.8	65.8	3.2
Georgia	NA	NA	81.9	12.7	90.3	31.9	NA	NA
Hawaii	100.0	100.0	100.0	100.0	100.0	—	100.0	100.0
Idaho	88.9	3.5	88.7	3.1	89.2	2.5	87.7	3.6
Illinois	44.9	10.1	46.7	10.0	54.6	11.2	44.1	8.0
Indiana	NA	NA	NA	NA	85.7	13.3	NA	NA
Iowa	84.7	7.8	86.3	8.4	88.4	7.4	83.8	8.7
Kansas	74.7	5.5	NA	NA	75.8	7.0	74.9	7.6
Kentucky	87.3	14.0	89.6	17.1	90.3	17.4	84.5	14.2
Louisiana	95.2	9.1	96.1	7.6	94.4	7.8	95.2	8.2
Maine	NA	NA	100.0	90.2	100.0	91.9	NA	NA
Maryland	44.9	21.7	NA	7.9	47.3	8.2	35.1	6.1
Massachusetts	NA	NA	NA	NA	60.2	16.6	NA	NA
Michigan	63.2	9.9	65.2	13.8	67.8	11.9	61.0	10.1
Minnesota	NA	NA	96.5	36.9	97.5	42.8	95.9	38.9
Mississippi	97.5	31.4	NA	NA	94.0	38.7	96.0	42.7
Missouri	83.7	18.7	82.9	27.3	84.8	23.9	81.7	16.4
Montana	81.4	2.7	82.2	2.0	83.0	2.7	81.9	0.2
Nebraska	62.5	17.8	63.0	25.2	79.0	19.4	58.9	13.8
Nevada	63.7	10.0	70.0	11.4	76.8	2.4	60.6	26.5
New Hampshire	NA	NA	95.1	22.6	95.1	34.9	NA	NA
New Jersey	NA	NA	NA	NA	65.0	47.6	NA	NA
New Mexico	62.7	14.4	60.0	NA	71.5	4.1	61.4	14.0
New York	NA	15.1	NA	NA	58.1	6.4	56.6	19.7
North Carolina	94.1	34.5	96.9	38.4	93.8	34.2	91.6	27.9
North Dakota	NA	22.2	88.9	14.7	86.8	18.5	89.4	18.3
Ohio	43.8	3.5	51.1	3.7	61.3	6.9	39.7	2.6
Oklahoma	82.1	8.5	80.8	5.0	79.6	5.9	77.4	8.3
Oregon	99.3	14.9	99.0	16.4	99.2	16.8	99.2	19.4
Pennsylvania	60.3	10.3	59.2	12.6	58.7	14.7	61.5	9.1
Rhode Island	60.2	9.2	60.4	5.8	65.8	9.1	60.7	100.0
South Carolina	98.1	81.5	97.6	83.7	98.5	85.2	95.6	80.1
South Dakota	79.8	46.2	85.2	49.9	86.0	44.8	68.6	45.5
Tennessee	93.5	33.1	87.2	25.4	95.2	35.3	92.8	31.7
Texas	79.9	23.6	79.6	13.8	84.4	14.4	81.1	20.0
Utah	86.7	10.5	85.0	10.4	85.5	8.0	84.2	94.9
Vermont	100.0	83.3	100.0	81.7	100.0	100.0	100.0	80.8
Virginia	70.0	14.6	70.5	16.9	76.0	17.6	65.1	18.8
Washington	NA	NA	NA	NA	89.7	22.3	NA	NA
West Virginia	64.0	NA	55.0	NA	57.6	6.5	54.9	NA
Wisconsin	83.2	20.4	78.9	23.8	83.1	27.1	81.4	19.3
Wyoming	89.2	1.7	94.3	NA	89.5	1.7	87.5	2.2
Total	69.1	18.3	70.4	15.6	73.2	17.0	66.4	17.4

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1998-2000 — Continued

State	2000				1999			
	February		January		Total		December	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	83.6	18.1	79.5	17.0	64.4	15.1	62.9	15.1
Alaska	71.1	99.8	69.6	99.8	56.6	99.1	62.2	97.5
Arizona	83.1	40.8	84.5	42.0	82.7	37.2	81.8	43.9
Arkansas	NA	14.8	NA	17.1	NA	NA	100.0	16.7
California	59.8	7.0	58.0	6.4	55.5	8.6	56.5	9.0
Colorado	NA	R0.4	NA	NA	NA	NA	96.5	0.3
Connecticut	80.8	52.9	73.9	43.3	R62.7	55.8	62.2	52.2
Delaware	98.2	11.8	98.2	14.5	100.0	15.9	100.0	12.4
District of Columbia	R49.3	—	48.9	—	NA	—	—	—
Florida	R67.6	2.5	R65.8	3.8	R91.2	3.1	90.8	3.2
Georgia	NA	NA	NA	NA	NA	NA	NA	NA
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	89.1	3.7	89.5	3.3	86.0	2.7	85.6	2.5
Illinois	45.5	9.9	44.8	10.7	41.6	8.2	42.0	9.0
Indiana	NA	NA	NA	NA	NA	NA	NA	R7.5
Iowa	84.2	8.0	85.6	8.4	83.1	7.4	83.4	8.8
Kansas	77.1	5.0	72.6	4.3	NA	NA	58.5	4.6
Kentucky	88.5	12.2	87.8	15.5	R86.0	16.6	89.2	18.1
Louisiana	96.6	7.9	93.8	8.2	96.0	7.6	93.7	7.6
Maine	100.0	73.6	100.0	99.0	100.0	82.1	100.0	80.4
Maryland	41.2	7.1	60.5	26.1	NA	5.0	35.6	5.8
Massachusetts	NA	NA	NA	NA	NA	NA	NA	NA
Michigan	64.5	13.8	63.7	12.5	58.2	8.2	62.7	10.1
Minnesota	95.1	NA	NA	35.3	95.5	NA	95.2	NA
Mississippi	96.7	46.6	98.8	29.3	NA	NA	95.6	32.1
Missouri	85.5	17.1	83.3	23.1	77.1	18.1	79.1	22.2
Montana	82.9	0.2	79.7	0.2	81.0	1.7	85.5	2.7
Nebraska	R66.0	19.9	R61.9	19.3	64.5	R19.4	69.3	27.1
Nevada	R62.5	R26.9	R67.3	31.4	R62.0	8.4	66.1	30.1
New Hampshire	94.9	26.3	93.9	23.6	NA	26.1	92.4	30.6
New Jersey	NA	NA	50.5	82.2	NA	NA	NA	NA
New Mexico	62.7	R13.9	63.8	R9.0	59.1	NA	73.3	20.3
New York	NA	33.6	NA	46.0	NA	NA	NA	27.3
North Carolina	93.1	40.2	97.2	30.8	93.4	R44.3	89.8	24.9
North Dakota	R89.2	R25.7	NA	22.8	NA	NA	NA	NA
Ohio	45.2	3.5	45.5	3.4	NA	NA	46.3	2.7
Oklahoma	83.4	9.1	84.3	9.4	73.3	R3.7	79.0	R6.2
Oregon	R99.4	19.9	99.4	18.3	98.8	R13.7	99.1	11.7
Pennsylvania	59.7	9.5	60.1	10.5	56.1	11.2	59.7	11.8
Rhode Island	62.7	100.0	57.1	100.0	53.1	6.5	70.0	27.3
South Carolina	99.8	82.6	98.0	80.3	R96.7	83.3	95.3	82.4
South Dakota	84.6	44.8	85.2	48.2	81.2	36.9	83.4	40.8
Tennessee	91.9	31.9	95.3	35.4	NA	R29.0	91.5	40.0
Texas	86.1	19.2	74.2	25.3	75.7	NA	77.6	24.3
Utah	88.6	94.5	87.1	93.2	82.9	9.8	86.9	6.9
Vermont	100.0	83.0	100.0	87.4	100.0	75.9	100.0	80.3
Virginia	69.1	17.1	74.2	20.7	65.8	11.0	71.8	13.2
Washington	NA	NA	NA	NA	NA	NA	NA	NA
West Virginia	81.1	NA	57.3	3.2	NA	NA	NA	NA
Wisconsin	83.5	20.6	84.0	22.6	73.3	20.6	80.5	23.0
Wyoming	92.8	R1.7	87.7	1.1	88.2	NA	85.9	R2.3
Total	R71.0	R18.3	R69.6	R19.3	R65.2	16.9	66.9	R18.6

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1998-2000 — Continued

State	1999							
	November		October		September		August	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	51.5	14.3	45.0	14.1	48.8	14.4	47.0	14.2
Alaska	61.9	97.6	54.8	97.4	56.7	100.0	55.9	99.9
Arizona	81.8	46.3	79.0	39.0	78.6	40.8	78.7	34.1
Arkansas	NA	10.3	NA	13.1	NA	9.9	86.7	8.2
California	52.8	7.6	53.9	8.0	49.9	10.6	37.8	7.5
Colorado	96.3	0.4	NA	0.5	92.8	1.8	NA	2.9
Connecticut	58.3	53.2	56.5	54.5	^R 51.9	59.3	51.6	54.7
Delaware	100.0	13.4	100.0	9.1	100.0	10.1	100.0	12.7
District of Columbia	43.8	—	36.8	—	32.4	—	31.7	—
Florida	87.2	2.8	91.5	2.8	^R 92.7	2.4	^R 92.4	2.8
Georgia	9.1	NA	12.1	NA	33.0	NA	67.8	NA
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	82.5	2.5	79.0	2.1	80.4	2.1	82.0	3.4
Illinois	38.3	8.4	38.6	6.3	34.5	7.2	24.5	5.1
Indiana	NA	^R 6.3	^R 63.4	^R 7.4	^R 63.4	^R 7.6	^R 62.5	^R 4.9
Iowa	82.9	7.2	79.4	7.3	71.6	7.2	75.0	7.1
Kansas	52.7	7.7	57.6	^R 7.7	64.4	14.5	53.7	14.9
Kentucky	84.7	15.6	83.0	18.1	82.6	15.7	^R 59.9	16.9
Louisiana	96.2	9.3	95.4	8.0	^R 95.8	8.4	96.4	7.9
Maine	100.0	87.1	100.0	77.5	100.0	87.1	100.0	74.5
Maryland	28.6	6.9	25.5	4.3	23.6	4.2	24.3	4.0
Massachusetts	NA	NA	NA	NA	NA	NA	NA	38.3
Michigan	56.3	8.7	48.7	5.9	40.1	4.9	32.0	4.4
Minnesota	91.9	40.3	98.1	44.5	96.3	37.4	89.4	34.3
Mississippi	95.0	34.1	93.5	33.2	94.0	34.5	93.8	33.0
Missouri	70.9	16.1	69.3	12.9	64.7	12.7	65.5	11.7
Montana	82.0	2.6	80.3	1.5	75.3	0.8	68.5	0.5
Nebraska	69.0	23.7	78.4	17.2	60.2	^R 13.7	86.4	12.5
Nevada	56.3	24.5	54.6	24.5	50.2	16.8	^R 50.7	17.1
New Hampshire	93.4	31.4	90.6	28.5	89.6	27.5	^R 88.2	26.3
New Jersey	NA	NA	NA	NA	NA	NA	NA	NA
New Mexico	65.4	19.0	60.2	NA	49.4	NA	40.9	NA
New York	NA	26.7	NA	27.8	NA	29.0	NA	NA
North Carolina	98.7	55.4	84.1	^R 31.0	99.2	63.7	87.0	48.9
North Dakota	NA	12.7	88.9	26.5	82.6	12.0	77.9	11.6
Ohio	36.9	1.7	36.5	1.5	31.6	1.0	NA	NA
Oklahoma	71.7	^R 3.4	63.8	^R 2.9	53.9	^R 3.4	60.6	^R 2.5
Oregon	99.0	12.0	98.2	12.0	98.3	12.2	98.5	^R 11.8
Pennsylvania	52.6	11.3	46.9	9.9	49.2	9.3	45.2	9.4
Rhode Island	34.9	27.4	43.6	26.8	39.9	24.7	16.4	36.2
South Carolina	100.0	88.4	93.4	82.3	99.9	88.1	94.6	81.7
South Dakota	80.4	37.5	75.6	25.5	71.5	26.2	69.8	20.3
Tennessee	89.7	36.3	78.7	34.3	70.8	34.8	76.1	^R 21.3
Texas	69.4	18.6	72.3	22.0	72.8	17.1	74.4	33.3
Utah	82.8	11.4	79.9	11.0	75.4	9.8	74.4	9.2
Vermont	100.0	77.1	100.0	75.2	100.0	69.8	100.0	66.5
Virginia	65.7	12.3	61.2	11.8	59.3	10.1	57.7	5.4
Washington	NA	NA	NA	NA	NA	NA	NA	NA
West Virginia	47.0	NA	39.6	13.0	^R 32.5	12.8	^R 26.4	12.4
Wisconsin	73.9	20.1	71.6	20.7	60.9	16.2	53.5	15.8
Wyoming	81.2	^R 2.2	82.2	^R 3.2	83.9	^R 2.3	65.7	^R 2.7
Total	62.6	^R 17.5	^R 59.8	^R 17.2	^R 57.2	^R 17.0	^R 54.4	^R 18.4

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1998-2000 — Continued

State	1999							
	July		June		May		April	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	50.9	14.7	53.4	15.3	67.4	15.0	76.0	15.2
Alaska	56.3	98.4	57.4	100.0	58.9	99.9	53.5	99.9
Arizona	83.0	43.0	82.1	37.2	82.5	42.3	82.5	30.5
Arkansas	83.6	7.9	NA	NA	NA	8.6	89.6	8.7
California	52.6	8.8	60.7	10.1	49.8	12.7	61.3	12.7
Colorado	92.1	NA	95.8	0.6	96.7	0.6	NA	0.8
Connecticut	55.4	54.7	56.8	62.3	53.6	55.2	72.9	64.0
Delaware	100.0	12.3	100.0	16.4	100.0	22.4	100.0	17.6
District of Columbia	NA	—	33.9	—	39.4	—	43.5	—
Florida	^R 92.4	2.7	^R 94.0	3.2	91.6	4.2	92.0	3.4
Georgia	66.6	11.0	67.8	10.9	NA	NA	82.0	6.0
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	83.7	2.8	83.3	2.8	85.5	2.3	87.0	2.6
Illinois	26.3	5.3	33.7	6.7	34.9	6.6	40.9	10.3
Indiana	^R 52.3	8.1	^R 70.4	8.0	^R 73.2	NA	^R 74.8	NA
Iowa	72.2	7.1	76.4	5.9	93.5	5.9	77.2	6.2
Kansas	52.3	12.4	55.9	6.6	68.4	NA	69.1	4.9
Kentucky	79.7	16.1	80.4	12.9	84.4	16.5	83.9	16.3
Louisiana	96.1	7.3	97.1	6.7	96.6	6.6	97.2	6.5
Maine	100.0	72.0	100.0	87.9	100.0	74.6	100.0	75.1
Maryland	23.9	3.9	23.3	4.9	NA	3.4	25.1	1.6
Massachusetts	NA	NA	44.2	NA	54.1	41.5	46.8	NA
Michigan	37.5	4.5	39.5	4.9	47.1	7.2	58.0	14.2
Minnesota	96.7	36.7	92.1	43.8	96.6	29.3	91.7	37.1
Mississippi	94.1	33.4	94.4	35.2	95.8	38.1	NA	NA
Missouri	47.4	11.0	71.0	13.6	75.8	14.0	81.4	17.2
Montana	70.1	1.0	67.9	0.4	92.8	1.7	77.3	1.7
Nebraska	68.6	9.0	63.2	18.1	49.5	22.4	65.0	^R 24.9
Nevada	^R 51.1	18.1	55.6	18.7	60.2	18.7	63.2	25.4
New Hampshire	86.6	26.3	^R 89.4	23.2	NA	26.2	94.2	27.2
New Jersey	NA	NA	NA	NA	NA	NA	NA	NA
New Mexico	48.7	5.7	54.3	5.9	41.6	4.9	58.5	NA
New York	NA	NA	NA	NA	NA	NA	NA	NA
North Carolina	87.4	56.1	88.0	49.9	89.9	50.0	90.7	42.0
North Dakota	79.6	10.9	77.0	16.4	85.3	6.0	86.8	14.5
Ohio	30.8	0.6	30.1	1.1	34.5	1.8	38.7	2.0
Oklahoma	57.6	^R 2.3	24.2	^R 2.3	68.1	^R 3.0	75.7	^R 3.5
Oregon	98.8	12.2	98.5	14.1	98.7	14.1	98.7	15.1
Pennsylvania	53.6	10.7	50.3	11.0	59.1	11.8	56.1	11.1
Rhode Island	44.1	28.7	46.8	32.0	48.9	31.4	56.2	38.8
South Carolina	94.7	87.0	94.9	81.2	95.4	86.1	^R 96.3	72.8
South Dakota	73.9	20.7	60.2	33.2	78.7	38.8	83.2	41.8
Tennessee	74.1	28.3	58.7	27.0	77.6	26.4	NA	^R 21.8
Texas	72.5	25.4	72.4	21.4	74.4	NA	75.7	20.5
Utah	76.0	8.7	72.9	14.8	80.1	8.7	83.0	8.0
Vermont	100.0	68.6	100.0	68.7	100.0	68.8	100.0	76.3
Virginia	62.5	9.4	56.6	6.8	60.4	9.4	55.7	9.3
Washington	NA	NA	NA	NA	NA	NA	NA	NA
West Virginia	33.9	^R 12.2	^R 31.6	NA	35.8	11.8	51.4	NA
Wisconsin	47.7	18.8	51.4	19.9	62.8	18.3	70.9	21.3
Wyoming	82.0	^R 3.3	83.8	^R 3.6	87.5	^R 3.6	88.6	^R 2.5
Total	^R 57.6	^R 17.4	59.4	^R 16.8	^R 60.9	17.1	^R 64.5	^R 15.7

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1998-2000 — Continued

State	1999						1998	
	March		February		January		Total	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	76.3	15.9	77.4	16.1	81.0	18.4	80.5	23.3
Alaska	57.5	99.9	53.8	99.9	59.8	99.9	49.6	99.4
Arizona	84.6	26.3	84.6	34.0	86.3	32.3	85.0	33.5
Arkansas	90.1	9.6	91.4	10.6	93.3	11.7	90.8	9.5
California	59.5	13.4	59.1	14.4	62.3	11.8	48.9	10.4
Colorado	96.7	0.4	93.2	0.3	97.1	0.1	94.3	7.6
Connecticut	67.4	58.6	69.7	67.0	69.6	60.4	68.7	55.8
Delaware	100.0	22.7	100.0	24.0	100.0	18.1	100.0	22.4
District of Columbia	53.8	—	52.4	—	58.2	—	52.3	—
Florida	90.2	4.2	90.9	4.0	91.5	3.6	96.6	7.3
Georgia	83.0	13.5	81.6	11.3	85.4	10.1	83.6	25.3
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	87.8	2.8	88.8	3.1	89.4	3.6	86.4	2.6
Illinois	47.7	9.1	46.1	10.0	46.9	10.9	47.4	9.3
Indiana	NA	NA	79.3	9.2	79.9	NA	79.2	9.3
Iowa	87.3	7.5	84.7	8.0	86.7	9.2	85.8	6.8
Kansas	NA	5.0	NA	5.4	NA	NA	69.5	9.9
Kentucky	88.8	16.6	89.2	18.0	90.3	16.9	87.5	17.8
Louisiana	96.2	7.5	95.9	7.8	96.2	7.5	94.6	9.3
Maine	100.0	80.7	100.0	97.3	100.0	93.8	100.0	87.4
Maryland	NA	9.5	NA	6.5	39.3	7.5	36.7	7.0
Massachusetts	67.0	NA	NA	32.3	78.5	28.3	57.9	26.3
Michigan	63.3	16.2	64.5	17.3	67.3	16.2	59.7	10.8
Minnesota	96.5	39.3	96.5	33.8	96.6	37.9	97.6	39.7
Mississippi	88.4	34.9	96.9	38.2	NA	NA	94.8	37.6
Missouri	83.3	24.6	79.1	33.9	85.5	26.3	78.3	18.2
Montana	78.1	1.8	80.1	1.7	83.5	2.4	77.1	1.5
Nebraska	67.6	23.8	63.5	28.7	59.8	23.5	72.5	12.7
Nevada	67.7	28.0	69.2	30.9	72.6	31.4	70.3	15.5
New Hampshire	94.5	19.6	95.3	24.1	95.5	24.2	94.1	30.7
New Jersey	NA	NA	NA	NA	NA	NA	60.5	49.5
New Mexico	58.1	4.2	52.8	3.6	66.7	NA	67.0	9.8
New York	NA	NA	NA	NA	NA	NA	53.2	8.3
North Carolina	97.0	37.6	96.6	36.4	97.0	41.1	90.6	32.1
North Dakota	89.7	13.7	83.6	13.6	92.4	18.4	83.8	14.6
Ohio	48.5	3.6	47.1	3.6	57.0	4.1	55.1	4.3
Oklahoma	79.2	^R 4.3	78.9	5.1	83.2	5.7	73.2	3.6
Oregon	98.7	16.5	99.0	15.8	99.1	16.9	99.0	14.3
Pennsylvania	61.4	12.5	56.4	11.1	66.5	14.6	56.9	13.1
Rhode Island	60.4	50.1	61.5	30.8	59.4	24.4	59.3	7.4
South Carolina	^R 97.4	83.3	97.8	83.0	97.6	84.8	97.9	86.7
South Dakota	84.3	47.4	84.1	50.0	86.6	51.8	84.2	35.6
Tennessee	83.9	^R 27.4	84.8	23.3	89.7	25.4	87.3	33.1
Texas	78.2	16.3	81.3	13.0	71.0	13.8	81.0	14.1
Utah	82.8	8.3	85.7	10.8	85.8	12.2	82.5	8.6
Vermont	100.0	82.2	100.0	81.5	100.0	81.4	100.0	100.0
Virginia	65.8	17.5	68.2	15.4	76.4	18.0	72.1	12.8
Washington	NA	NA	NA	NA	NA	NA	86.8	20.1
West Virginia	54.2	NA	54.8	10.1	49.9	5.4	49.5	6.3
Wisconsin	76.6	21.9	78.8	22.7	80.6	25.4	74.0	22.0
Wyoming	88.1	^R 2.6	^R 97.4	NA	96.5	^R 3.3	90.5	2.0
Total	^R 68.7	16.0	69.1	15.5	72.7	15.4	67.0	16.1

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1998-2000 — Continued

State	1998							
	December		November		October		September	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	75.4	20.5	73.6	23.3	71.5	21.7	76.3	21.5
Alaska	48.8	100.0	51.1	100.0	48.7	100.0	47.3	100.0
Arizona	84.0	33.6	82.9	35.3	79.9	36.7	83.7	33.3
Arkansas	89.0	9.0	86.1	10.2	81.5	10.4	82.4	9.6
California	49.2	11.1	38.8	10.5	37.5	11.1	33.2	8.7
Colorado	95.2	3.3	94.0	4.7	87.5	6.6	93.2	5.6
Connecticut	62.6	61.5	76.1	56.0	61.3	51.9	55.2	57.5
Delaware	100.0	24.8	100.0	23.2	100.0	18.2	100.0	17.9
District of Columbia	59.7	—	50.2	—	37.8	—	36.8	—
Florida	96.0	6.4	95.6	5.8	96.0	5.6	96.4	6.5
Georgia	79.2	22.2	77.4	19.2	74.6	19.6	73.6	28.4
Hawaii	100.0	100.0	100.0	—	100.0	—	100.0	—
Idaho	86.1	3.6	83.9	2.2	75.3	2.6	80.6	2.5
Illinois	45.2	12.3	44.8	10.0	40.7	9.0	37.3	7.7
Indiana	82.6	8.6	74.5	8.9	69.0	8.1	57.3	6.8
Iowa	89.4	10.0	84.0	9.7	77.4	6.8	77.0	5.7
Kansas	61.0	5.7	62.1	5.7	60.3	7.2	57.9	14.1
Kentucky	88.6	23.6	87.1	20.9	82.3	15.9	81.9	14.7
Louisiana	92.2	20.6	94.3	9.6	93.9	8.8	94.4	9.1
Maine	100.0	84.4	100.0	87.3	100.0	87.0	100.0	87.3
Maryland	37.7	10.3	38.3	9.5	25.2	8.6	23.0	3.9
Massachusetts	82.1	25.7	57.8	28.5	45.1	27.8	80.7	19.3
Michigan	64.7	12.0	57.9	10.9	47.8	6.5	42.5	6.3
Minnesota	96.8	39.9	95.9	40.4	97.9	37.1	99.3	36.7
Mississippi	96.3	38.6	95.5	38.6	95.3	37.4	94.8	34.0
Missouri	79.2	21.9	74.5	18.3	66.6	12.8	70.1	13.1
Montana	77.0	1.5	74.9	1.4	70.5	1.0	64.2	0.6
Nebraska	51.5	20.6	66.5	14.1	80.4	13.0	74.5	10.2
Nevada	69.9	33.2	63.6	27.5	62.6	25.5	55.5	19.1
New Hampshire	95.3	24.4	95.5	21.9	93.1	21.5	91.9	21.5
New Jersey	59.7	59.4	60.2	55.3	53.3	52.7	54.8	52.5
New Mexico	79.0	4.6	70.4	11.0	58.3	8.9	52.1	13.2
New York	56.7	12.0	53.3	7.7	50.2	10.7	43.3	6.9
North Carolina	90.2	32.7	87.5	34.1	83.2	27.1	84.9	23.4
North Dakota	87.2	18.5	86.2	18.8	80.7	20.5	68.1	13.1
Ohio	50.3	5.2	50.7	4.3	56.3	2.6	44.9	2.2
Oklahoma	71.3	4.9	65.7	3.7	60.5	1.9	59.7	1.9
Oregon	99.1	14.4	99.0	15.1	98.4	11.8	98.7	11.6
Pennsylvania	59.0	13.2	57.1	13.1	53.1	11.3	54.2	11.8
Rhode Island	52.5	7.6	52.2	8.8	48.1	6.6	48.1	6.3
South Carolina	97.1	86.5	96.9	86.5	96.9	87.4	97.2	88.2
South Dakota	84.6	46.5	84.5	45.3	95.8	40.1	73.7	22.1
Tennessee	89.5	33.6	86.9	32.9	76.2	21.4	75.5	32.2
Texas	83.4	12.7	84.4	13.4	71.8	14.9	78.9	14.9
Utah	85.2	9.7	82.2	10.5	80.1	9.9	77.6	8.9
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	75.8	15.9	72.1	16.9	63.5	9.5	59.0	7.6
Washington	88.3	25.4	85.0	21.4	85.8	31.6	86.0	17.2
West Virginia	55.3	7.4	50.0	6.6	38.6	5.9	36.2	6.8
Wisconsin	79.2	23.8	74.9	24.4	71.1	19.0	45.5	18.0
Wyoming	97.9	2.1	87.7	2.0	83.8	2.2	84.9	2.4
Total	68.3	17.2	64.5	15.7	59.2	14.8	57.0	14.2

^R Revised Data.

^{NA} Not Available.

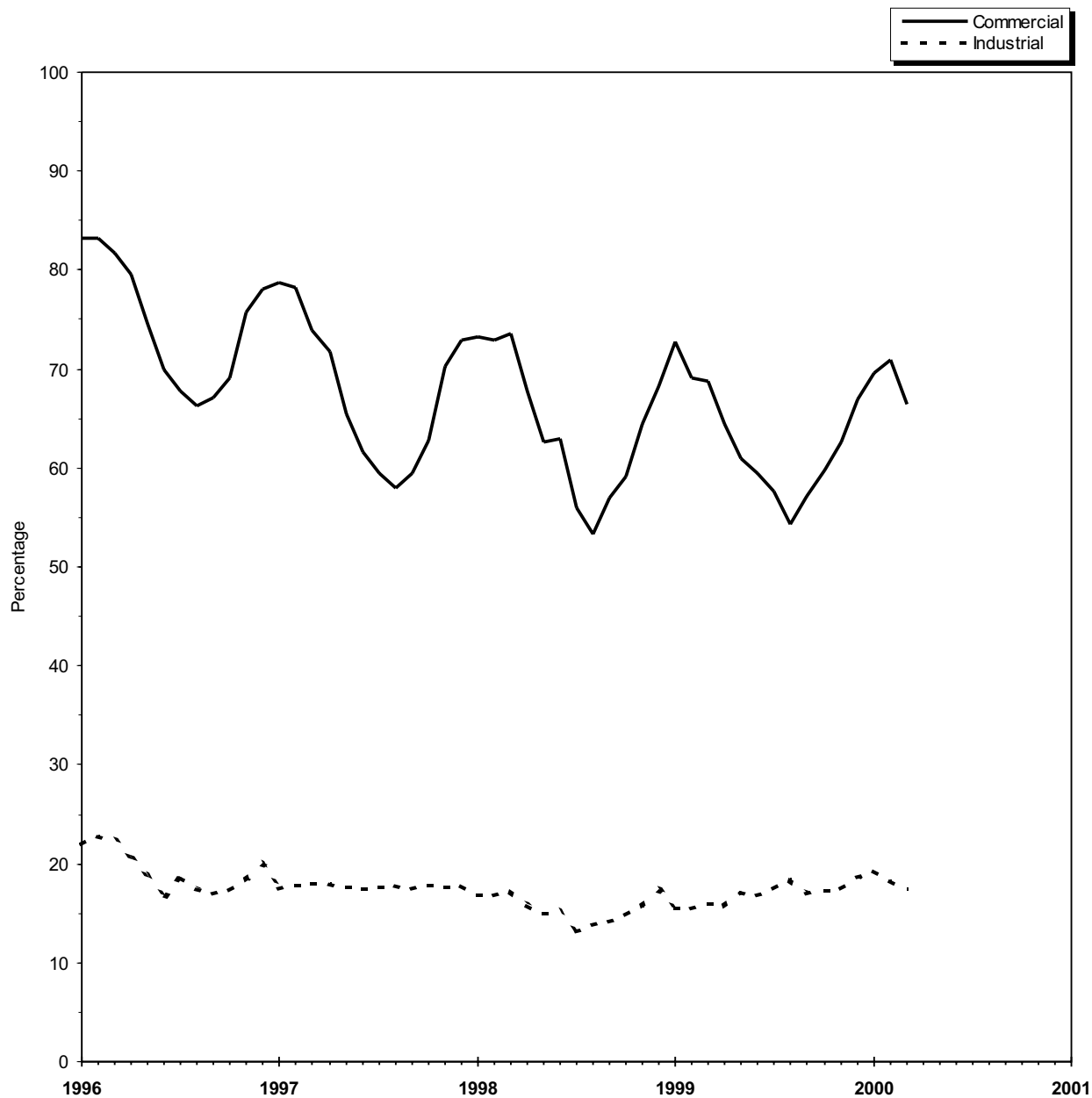
— Not Applicable.

Notes: Volumes of natural gas reported for the commercial and industrial sectors in this publication include data for both sales and deliveries for the account of others. This table shows the percent of the total State volume that represents natural gas sales to the commercial and

industrial sectors. This information may be helpful in evaluating commercial and industrial price data which are based on sales data only. See Appendix C, Statistical Considerations, for a discussion of the computation of natural gas prices.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Figure 6. Percentage of Total Deliveries Represented by Onsystem Sales, 1996-2000



Sources: Energy Information Administration, Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Appendix A

Explanatory Notes

The Energy Information Administration (EIA) publishes monthly data for the supply and disposition of natural gas in the United States in the *Natural Gas Monthly* (NGM). The information in this Appendix is provided to assist users in evaluating the monthly data. There is a brief description of what data are estimated and what data are taken from submitted reports, followed by ten technical notes that provide important information for individual data series.

The monthly data are preliminary when initially published. Data shown in this report for the most current months are taken from the EIA Short-Term Integrated Forecasting System (STIFS) model computations. Each month, EIA staff review the STIFS model estimates and adjust them, if necessary, based on their knowledge of new developments in the natural gas industry. Data for prior months are estimated or taken from submitted reports.

Table A1. Methodology for Reporting Initial Monthly Natural Gas Supply and Disposition Data

Components	Reporting Methodology
Supply and Disposition	
Marketed Production	Reported on Form EIA-895 and Estimated from Historical Data
Extraction Loss	Derived from Marketed Production
Dry Production	Marketed Production minus Extraction Loss
Withdrawals from Storage	Reported on Form EIA-191
Supplemental Gaseous Fuels	Derived from Supply Estimates and Coal Gasification Information
Imports	Estimated from National Energy Board of Canada Information and Liquefied Natural Gas Information
Additions to Storage	Reported on Form EIA-191
Exports	Estimated from Industry Trends and Liquefied Natural Gas Information
Current-Month Consumption	Estimated from Historical Month-to-Month Percent Changes
Consumption by Sector	
Lease and Plant Fuel	Derived from Marketed Production
Pipeline Fuel	Derived from Estimates for Lease and Plant Fuel and Deliveries to Consumers
Residential	Estimated from Reports to the Sample Survey Form EIA-857
Commercial	Estimated from Reports to the Sample Survey Form EIA-857
Industrial	Estimated from Reports to the Sample Survey Form EIA-857
Electric Utilities	Reported on Form EIA-759

For data that are not taken from STIFS computations, Table A1 below lists the methodologies for deriving the monthly data to be published.

The STIFS model contains a series of calculations that produce forecasts for all of the energy industry. It is driven primarily by three sets of inputs or assumptions: estimates of key macroeconomic variables, world oil price assumptions, and assumptions about the severity of weather. The natural gas estimates also reflect other key inputs or assumptions including gas wellhead prices, electric power generation by other energy sources, and U.S. gas import capacity. The macroeconomic variable estimates are produced by DRI/McGraw-Hill but are adjusted by EIA to reflect EIA assumptions about the world price of oil, energy product prices, and other assumptions which may affect the macroeconomic outlook. The EIA publishes forecasts for the energy industry each quarter in the *Short-Term Energy Outlook*.

For production, total supply and disposition, and storage data (Tables 1, 2, and 9), the most current two months shown are estimates produced from STIFS computations, and data that are two months or more prior to the date of publication are estimated or taken from submitted reports. For example, in the March issue of the NGM, February and March data are taken from the STIFS model computations while January and prior months data are estimated from available data sources or reported directly on EIA forms. For consumption data by sector (Table 3), the most current three months shown are estimates produced from STIFS computations while data that are three months prior to date of publication are taken from EIA forms.

Note 1. Nonhydrocarbon Gases Removed

Annual Data

Data on nonhydrocarbon gases removed from marketed production—carbon dioxide, helium, hydrogen sulfide, and nitrogen—are reported by State agencies on the voluntary Form EIA-895. For 1995, of the 33 producing States, 22 reported data on nonhydrocarbon gases removed. The 22 States accounted for 60 percent of total 1995 gross withdrawals. Of the 22 States reporting nonhydrocarbon gases removed, 11 reported zero values: Alaska, Arizona, Arkansas, Colorado, Illinois, Maryland, Missouri, Nevada, New York, South Dakota, and Virginia. The ten States reporting volumes greater than zero are

Alabama, California, Florida, Kentucky, Mississippi, Nebraska, New Mexico, North Dakota, Texas, and Wyoming. In addition, Kansas, Louisiana, Montana, and Oklahoma, which together accounted for 40 percent of gross withdrawals, did not report nonhydrocarbon gases removed separately. However, their gross withdrawal data excluded all or most of the nonhydrocarbon gases removed on leases. No estimates are made for States not reporting nonhydrocarbon gases removed.

Preliminary Monthly Data

All monthly data are considered preliminary until after publication of the *Natural Gas Annual* for the year in which the report month falls. Seven States report monthly data on nonhydrocarbon gases removed: Alabama, Arizona, Mississippi, New Mexico, North Dakota, Oregon and Texas. Monthly data for California, Colorado, Florida, and Wyoming are estimated based on annual data reported on Form EIA-895. Nonhydrocarbon gases as an annual percentage of gross withdrawals reported by each of the six States is applied to each State's monthly gross withdrawal data to produce an estimate of nonhydrocarbon gases removed.

Final Monthly Data

Beginning with report year 1990, States filing the Form EIA-627, "Annual Quantity and Value of Natural Gas Report," were asked to supply monthly breakdowns of all data previously reported on an annual basis. The sums of the reported figures were used to calculate monthly volumes. In 1997 the Form EIA-627 was discontinued. States were requested to file an annual schedule on the monthly Form EIA-895, "Monthly Quantity and Value of Natural Gas Report."

For States not supplying monthly data on the annual schedule of the EIA-895, final monthly data are calculated by proportionally allocating the differences between total annual data reported on the Form EIA-895 and the sum of monthly data (January-December).

Note 2. Supplemental Gaseous Fuels

Annual Data

Annual data are published from Form EIA-176.

Preliminary Monthly Data

All monthly data are considered preliminary until after the publication of the *Natural Gas Annual* for the year in which the report month falls. Monthly estimates are based on the annual ratio of supplemental gaseous fuels to the sum of dry gas production, net imports, and net withdrawals from storage. This ratio is applied to the monthly sum of these three elements to compute a monthly supplemental gaseous fuels figure.

Final Monthly Data

Monthly data are revised after publication of the *Natural Gas Annual*. Final monthly data are estimated based on the revised annual ratio of supplemental gaseous fuels to the sum of dry gas production, net imports, and net withdrawals from storage. This ratio is applied to the revised monthly sum of these three elements to compute final monthly data.

Note 3. Production

Annual Data

Natural gas production data are collected from 33 gas-producing States on Form EIA-895 which includes gross withdrawals, vented and flared, repressuring, nonhydrocarbon gases removed, fuel used on leases, marketed production (wet), and extraction loss. The U.S. Minerals Management Service (MMS) also supplies data on the quantity and value of natural gas production on the Gulf of Mexico and Outer Continental Shelf. No adjustments are made to the data.

Estimated Monthly Data

State marketed production data for a particular month are estimated if data are unavailable at the time of publication. The data are estimated based on final monthly data reported on the Form EIA-895 for the previous year.

Estimates for total U.S. marketed production are based on final monthly data reported on the Form EIA-895 for the previous year. State estimates for nonhydrocarbon gas removed, gas used for repressuring, and gas vented and flared are based on the ratio of the item to gross withdrawals as reported on the EIA-895. These ratios are applied to the month's estimates for gross withdrawals to calculate figures for nonhydrocarbon gases removed, gas used for repressuring, and gas vented and flared. Estimates for gross withdrawal data are calculated from final

monthly data filed on Form EIA-895 for the previous year.

Preliminary Monthly Data

All monthly data are considered preliminary until after publication of the *Natural Gas Annual* for the year in which the report month falls. Preliminary monthly data are published from reports from the Form EIA-895 and the MMS. Volumetric data are converted, as necessary, to a standard 14.73 psia pressure base. Data are revised as Table 7 monthly data are updated.

Final Monthly Data

Final monthly data for 1993, 1994, and 1995 are the sums of monthly data reported on the annual Form EIA-627, "Annual Quantity and Value of Natural Gas Report." For prior years, the differences between each State's annual production data reported on the EIA-627 and the sum of its monthly IOGCC reports for the year were allocated proportionally to the monthly IOGCC data.

Note 4. Imports and Exports

Annual Data and Final Monthly Data

Annual and final monthly data are published from the Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports*, which requires data to be reported each quarter by month for the calendar year.

Preliminary Monthly Data - Imports

Preliminary monthly import data are based on data from the National Energy Board of Canada and responses to informal industry contacts and EIA estimates. Preliminary data are revised after the publication of the article "U.S. Imports and Exports of Natural Gas" for the calendar year.

Preliminary Monthly Data - Exports

Preliminary monthly export data are based on historical data from the Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports*, informal industry contacts, and information gathered from natural gas industry trade publica-

tions. Preliminary monthly data are revised after publication of “U.S. Imports and Exports of Natural Gas” for the calendar year in which the report month falls.

Note 5. Consumption

All Annual Data

All consumption data except electric utility data are from the Form EIA-857 and Form EIA-176. No adjustments are made to the data. Electric utility data are reported on Form EIA-759.

Monthly Data

All monthly data are considered preliminary until after publication of the *Natural Gas Annual*.

Total Consumption

Preliminary Monthly Data

The most current month estimate is calculated based on the arithmetic average change from the previous month for the previous 3 years. The following month this estimate is revised by summing the components (pipeline fuel, lease and plant fuel, and deliveries to consumers).

Final Monthly Data

Monthly data are revised after publication of the *Natural Gas Annual*. Final monthly total consumption is obtained by summing its components.

Residential, Commercial, and Industrial Sector Consumption

Preliminary Monthly Data

Preliminary monthly residential, commercial, and industrial data are from Form EIA-857. See Appendix C, “Statistical Considerations,” for a detailed explanation of sample selection and estimation procedures.

Average Price of Deliveries to Consumers

Price data are representative of prices for gas sold and delivered to residential, commercial, and industrial consumers. These prices do not reflect average

prices of natural gas transported to consumers for the account of third parties or “spot-market” prices.

Final Monthly Data

Monthly data are revised after the publication of the *Natural Gas Annual*. Final monthly data are estimated by allocating annual consumption data from the Form EIA-176 to each month in proportion to monthly volumes reported in Form EIA-857.

Agricultural Use

Beginning with the reporting of 1996 annual data, the EIA changed the customer category used for reporting deliveries to consumers in the agricultural industry from commercial to industrial. In 1995 and earlier years, consumption of natural gas for agricultural use was classified as commercial use. Separate reports of the volumes affected are not available so the direct impact of this change is not known. Most natural gas consumed in agriculture is used to drive irrigation systems and to dry crops.

For the reporting of monthly data, the customer category will not be changed until 1998. In 1996, the monthly data reported under the old classification were adjusted to the annual data reported under the new classification. Monthly 1997 data will be adjusted in the same way as the 1996 data.

In comparing sectoral use over time, note that:

There is an inherent shift in natural gas volumes from the commercial to industrial sectors due simply to changes in the reporting requirements. This break in series may indicate a spurious increase in industrial consumption with a corresponding decrease in the commercial sector.

The sum of natural gas volumes consumed by the commercial and industrial sectors will not be changed by this modification of the instructions.

Electric Utility Sector Consumption

All Monthly Data

Monthly data published are from Form EIA-759.

Pipeline Fuel Consumption

Preliminary Monthly Data

Preliminary data are estimated based on the pipeline fuel consumption as an annual percentage of total consumption from the previous year's Form EIA-176. This percentage is applied to each month's total consumption figure to compute the monthly estimate.

Final Monthly Data

Monthly data are revised after the publication of the *Natural Gas Annual*. Final monthly data are based on the revised annual ratio of pipeline fuel consumption to total consumption from the Form EIA-176. This ratio is applied to each month's revised total consumption figure to compute final monthly pipeline fuel consumption estimates.

Lease and Plant Fuel Consumption

Preliminary Monthly Data

Preliminary monthly data are estimated based on lease and plant fuel consumption as an annual percentage of marketed production. This percentage is applied to each month's marketed production figure to compute estimated lease and plant fuel consumption.

Final Monthly Data

Monthly data are revised after publication of the *Natural Gas Annual*. Final monthly plant fuel data are based on a revised annual ratio of lease and plant fuel consumption to marketed production from Form EIA-176. This ratio is applied to each month's revised marketed production figure to compute final monthly plant fuel consumption estimates. Final monthly lease data are collected on the Form EIA-627 and estimates from the Form EIA-176. See the *Natural Gas Annual* for a complete discussion of this process.

Note 6. Extraction Loss

Annual Data

Extraction loss data are calculated from filings of Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production." For a fuller discussion, see the *Natural Gas Annual*.

Preliminary Monthly Data

Preliminary data are estimated based on extraction loss as an annual percentage of marketed production.

This percentage is applied to each month's marketed production to estimate monthly extraction loss.

Final Monthly Data

Monthly data are revised after the publication of the *Natural Gas Annual*. Final monthly data are estimated by allocating annual extraction loss data to each month based on its total natural gas marketed production.

Note 7. Natural Gas Storage

Underground Natural Gas Storage

All monthly data concerning underground storage are published from the EIA-191. A new EIA-191 became effective in January 1994. Injection and withdrawal data from the EIA-191 survey are adjusted to correspond to data from Form EIA-176 following publication of the *Natural Gas Annual*.

Underground and Liquefied Natural Gas Storage

The final monthly and annual storage and withdrawal data for 1991 through 1995 shown in Table 2 include both underground and liquefied natural gas (LNG) storage. Underground storage data are obtained from the EIA-191 and EIA-176 surveys in the manner described earlier. Annual data on LNG additions and withdrawals are taken from Form EIA-176. Monthly data are estimated by computing the ratio of each month's underground storage additions and withdrawals to annual underground storage additions and withdrawals and applying it to annual LNG data.

Types of Underground Storage Facilities

There are three principal types of underground storage facilities in operation in the United States today: salt caverns (caverns hollowed out in salt "bed" or "dome" formations), depleted fields (depleted reservoirs in oil and/or gas fields), and aquifer reservoirs (water-only reservoirs conditioned to hold natural gas). A storage facility's daily deliverability or withdrawal capability is the amount of gas that can be withdrawn from it in a 24-hour period. Salt cavern storage facilities generally have high deliverability because all of the

working gas in a given facility can be withdrawn in a relatively short period of time. (A typical salt cavern cycle is 10 days to deplete working gas, and 20 days to refill working gas.) By contrast, depleted field and aquifer reservoirs are designed and operated to withdraw all working gas over the course of an entire heating season (about 150 days). Further, while both traditional and salt cavern facilities can be switched from withdrawal to injection operations during the heating season, this is usually more quickly and easily done in salt cavern facilities, reflecting their greater operational flexibility.

Note 8. Average Wellhead Value

Annual Data

Form EIA-895 requests State agencies to report the quantity and value of marketed production. When complete data are unavailable, the form instructs the State agency to report the available value and the quantity of marketed production associated with this value. A number of States reported volumes of production and associated values for other than marketed production. In addition, information for several States which were unable to provide data was obtained from Form EIA-176. It should be noted that Form EIA-176 reports a fraction of State production. The imputed value of marketed production in each State is calculated by dividing the State's reported value by its associated production. This unit price is then applied to the quantity of the State's marketed production to derive the imputed value of marketed production.

Preliminary Monthly Data

Preliminary values for the monthly U.S. Natural gas wellhead price are estimated from the final settlement price reported by the New York Mercantile Exchange (NYMEX) for near-month delivery and from the prevailing cash market prices at 5 major trading hubs: Henry Hub, LA; Carthage, TX; Katy, TX; Waha, TX; and Blanco, NM. These prices appear initially in the trade publication, *Natural Gas Week*, and they reflect the spot delivered-to-pipeline, volume-weighted average prices for natural gas bought and sold at the specified trading hubs. Prices include processing, gathering, and transportation fees to the hubs. The estimated wellhead prices are derived with a statistical procedure based on analysis of monthly time series data for the period 1995 through 1997. The preliminary estimates are replaced when

annual survey data become available. This procedure was adopted beginning with publication of the February 1999 issue of the *Natural Gas Monthly* and it affects price estimates from January 1998 to the present.

Final Monthly Data

The Form EIA-895 requests State agencies to report monthly values of marketed production. Preliminary monthly gas price data are replaced by these final monthly data.

Note 9. Balancing Item

The "balancing item" category represents the difference between the sum of the components of natural gas supply and the sum of the components of natural gas disposition. These differences may be due to quantities lost or to the effects of data reporting problems.

Reporting problems include differences due to the net result of conversions of flow data metered at varying temperatures and pressure bases and converted to a standard temperature and pressure base; the effect of variations in company accounting and billing practices; differences between billing cycles and calendar periods; and imbalances resulting from the merger of data reporting systems, which vary in scope, format, definitions, and type of respondents.

Annual Data

Annual data are from the *Natural Gas Annual*. For an explanation of the methodology involved in calculating annual "balancing item" data, see the *Natural Gas Annual*.

Preliminary Monthly Data

Preliminary monthly data in the "balancing item" category are calculated by subtracting dry gas production, withdrawals from storage, supplemental gaseous fuels, and imports from total supply/disposition.

Note 10. Heating Degree-Days

Degree-days are relative measurements of outdoor air temperature. Heating degree-days are deviations of the mean daily temperature below 65 degrees

Fahrenheit. A weather station recording a mean daily temperature of 40 degrees Fahrenheit would report 25 heating degree-days. There are several degree-day data bases maintained by the National Oceanic and Atmospheric Administration. The information published in the Natural Gas Monthly is developed by the National Weather Service Climate Analysis Center, Camp Springs, Maryland.

The data are available weekly with monthly summaries and are based on mean daily temperatures recorded at about 200 major weather stations around the country. The temperature information recorded at these weather stations is used to calculate Statewide degree-day averages weighted by gas home customers. The State figures are then aggregated into Census Divisions and into the national average.

Appendix B

Data Sources

The data in this publication are taken from survey reports authorized by the U.S. Department of Energy (DOE), Energy Information Administration (EIA) and by the Federal Energy Regulatory Commission (FERC). The EIA is the independent statistical and analytical agency within the DOE. The FERC is an independent regulatory commission within the DOE which has jurisdiction primarily in the regulation of electric utilities and the interstate natural gas industry. The EIA conducts and processes some of the surveys authorized by the FERC. Data are collected from two annual surveys and five monthly surveys.

The annual report is the Form EIA-176, a mandatory survey of all companies that deliver natural gas to consumers or that transport gas across State lines.

The monthly reports include two surveys of the natural gas industry, two surveys of the electric utility industry, and a voluntary survey completed by energy or conservation agencies in the gas producing States. The natural gas industry survey is the Form EIA-191 filed by companies that operate underground storage facilities, and the Form EIA-857 is filed by a sample of companies that deliver natural gas to consumers. The electric utility industry surveys are the Form EIA-759 filed by all generating electric utilities and the Form FERC-423 filed by fossil fueled plants. Responses to these four monthly surveys are mandatory.

A description of the survey respondents, reporting requirements, and processing and editing of the data is given on the following pages for each of the surveys.

Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"

Survey Design

The original version of Form EIA-176 was approved in 1980 with a mandatory response requirement. Prior to 1980, published data were based on voluntary responses to Bureau of Mines, U.S. Department of the Interior predecessor Forms BOM-6-1340-A and BOM-6-1341-A of the same title.

In 1982, the scope of the revised EIA-176 survey was expanded to collect the number of electric utility consumers in each State, volumes of gas transported to industrial and electric utility consumers, detailed information on volumes transported across State borders by the respondent for others and for the responding company, and detailed information on other disposition. These changes were incorporated to provide more complete survey information with a minimal change in respondent burden. The 1982 version of the Form EIA-176 continues to be the basis for the current version of this form.

In 1988, the Form EIA-176 was revised to include data collection for deliveries of natural gas to commercial and industrial consumers for the account of others. A short version of Form EIA-176 was also approved in 1988. Companies engaged in purchase and delivery activities but not in transportation and storage activities may file the short form. Usually, these companies are municipals handling small volumes of gas. form was approved for use beginning with report year 1990.

In 1990, the Form EIA-176 was revised to include more detailed information for gas withdrawn from storage facilities, gas added to storage facilities, deliveries of company-owned natural gas and natural gas transported for the account of others. The revised form was approved for use beginning with report year 1990.

Upon the Office of Management and Budget's approval in 1993, the Form EIA-176 was again revised. All deliveries to consumers are now categorized as firm or interruptible. Commercial and industrial consumers are further categorized as nonutility power producers or as those excluding nonutility power producers.

Data reported on this form are no longer considered proprietary. Response to the form continues to be mandatory.

Survey Universe and Response Statistics

The Form EIA-176 is mailed to all identified interstate and intrastate natural gas pipeline companies, investor and municipally owned natural gas distributors, underground natural gas storage operators, synthetic natural gas plant operators, and field, well, or processing plant operators that deliver natural gas directly to consumers (including their own industrial facilities) and/or that transport gas to, across, or from a State border through field or gathering facilities.

Each company and its parent company or subsidiaries were required to file if they met the survey specifications. The original mailing in 1999 for report year 1998 totaled 1,910 questionnaire packages. To this original mailing, 5 names were added and 32 were deleted as a result of the survey processing. Additions were the result of comparisons of the mailing list to other survey mailing lists. Deletions resulted from post office returns and determinations that companies were out of business, sold, or not within the scope of the survey. After all updates, the survey universe was 1,883 responses from approximately 1,800 companies.

Following the original mailing, second request mailing, and nonrespondents follow-up, 1,883 responses were entered into the data base, and there were 50 nonrespondents.

Summary of Form EIA-176 Data Reporting Requirements

The EIA-176 is a multi-line schedule for reporting all supplies of natural gas and supplemental gaseous fuels and their disposition within the State indicated. Respondents file completed forms with EIA in Washington, DC. Data for the report year are due by April 1 of the following year. Extensions of the filing deadline for up to 45 days are granted to any respondent on request.

All natural gas and supplemental gaseous fuels volumes are reported on a physical custody basis in thousand cubic feet (Mcf), and dollar values are reported to the nearest whole dollar. All volumes are reported at 14.73 pounds per square inch absolute pressure (psia) and 60 degrees Fahrenheit.

Routine Form EIA-176 Edit Checks

A series of manual and computerized edit checks are used to screen the Form EIA-176. The edits performed include validity, arithmetic, and analytical checks.

The incoming forms are reviewed prior to keying. This prescan determines if the respondent identification (ID) number and the company name and address are correct, if the data on the form appear complete and reasonable, and if the certifying information is complete.

Manual checks on the data are also made. Each form is prescanned to determine that data were reported on the correct lines. The flow of gas through interstate pipelines is checked at the company level to ensure that each delivery from a State is matched with a corresponding receipt in an adjoining State.

After the data are keyed, computer edit procedures are performed. Edit programs verify the report year, State code, and arithmetic totals. Further tests are made to ensure that all necessary data elements are present and that the data are reasonable and internally consistent. The computerized edit system produces error listings with messages for each failed edit test. When problems occur, respondents are contacted by telephone and required to file amended forms with corrected data.

Other EIA Publications Referencing Form EIA-176

Data from Form EIA-176 are also published in the *Natural Gas Annual*.

Form-627 and Form EIA-895

Survey Design

Beginning with 1980 data, natural gas production data previously obtained on an informal basis from the appropriate State agencies were collected on the Form EIA-627, "Annual Quantity and Value of Natural Gas Report." This form was designed by the EIA to collect annual natural gas production data from the appropriate State agencies under a standard data reporting system within the limits imposed by the diversity of data collection systems of the various producing States. It was also designed to avoid duplication of the efforts involved in the collection of production and value data by producing States and to avoid an unnecessary respondent burden on gas and oil well operators. In 1993, value and associated volume of marketed production by month was added to the EIA-627. In 1996, the Form EIA-627 was discontinued. The information is collected on an annual schedule on the Form EIA-895.

In 1993, the Office of Management and Budget approved the Form EIA-627 for use in report years 1994 through 1996. In 1994, the IOGCC decided to discontinue collection of their form. Data collection on the Form EIA-895 began in January 1995. This form was designed to replace the Interstate Oil and Gas Compact Commission (IOGCC) form, "Monthly Report of Natural Gas Production." All gas producing States are requested to report on the Form EIA-895; a voluntary report. In 1996, an annual schedule was added to the voluntary Form EIA-895 to replace the Form EIA-627. Data are reported by State agencies. The form was designed to provide a standard reporting system, to the extent possible, for the natural gas data reported by the States. Data are not considered proprietary.

Survey Universe and Response Statistics

Form EIA-895 is mailed to energy or conservation agencies in all 33 natural gas producing States. All producing States participate voluntarily in the EIA-895 survey by filing the completed form or by responding to telephone contacts. EIA-895 survey by fil-

ing the completed form or by responding to telephone contacts.

Reports on State production are due 20 days after the end of the report month. (In most cases, the data are not available to the States until after this time period.

Therefore, States are requested to send the report within 80 days after the end of the report month.) The annual schedule of the Form EIA-895 is due with the December data report.

Of the 33 natural gas producing states, 31 participated in the voluntary EIA-895 survey by filing the completed form or by responding to telephone contacts. Data for the 2 nonresponding States (Illinois and West Virginia) were estimated. Data on the quantities of nonhydrocarbon gases removed in 1998 were reported by the appropriate agencies of 22 of the 33 producing States. These 22 States accounted for 66 percent of total 1998 gross withdrawals. In addition, the gross withdrawal data from Kansas, Louisiana, Montana, and Oklahoma, which together accounted for 39 percent of total production, excluded all or most of the nonhydrocarbon gases removed on leases. The State of Missouri reported zero gross withdrawals.

The commercial recovery of methane from coalbeds contribute a significant amount to the production totals in a number of States. Coalbed methane seams production quantities (in million cubic feet) are included in gross withdrawals totals for the following States: Alabama (116,946), Colorado (387,376), and New Mexico (608,000).

Summary of Data Reporting Requirements

The Form EIA-895 is a two-page form divided into five parts. Part I requests identifying information including the name and location of the responding State agency and the name and telephone number of a contact person within the agency. Part II collects monthly data on the production of natural gas including gross withdrawals from both gas and oil wells; volumes returned to formation for repressuring, pressure maintenance, and cycling; quantities vented and flared; quantities of nonhydrocarbon gases removed; quantities of fuel used on lease; and marketed production. Part III of the form is for reporting the monthly volume and value of marketed production. Part IV of the form is the annual schedule which collects data on the

number of producing gas wells, the production of natural gas including gross withdrawals from both gas and oil wells; volumes returned to formation for repressuring, pressure maintenance, and cycling; quantities vented and flared; quantities of nonhydrocarbon gases removed; quantities of fuel used on lease; marketed production; the value of marketed production; and quantity of marketed production (value based). Part V is space to be used by the respondent to explain data elements reported that may be based on definitions differing from those applied to data in previous years.

Respondents are asked to report all volumes in thousand cubic feet at the State's standard pressure base and at 60 degrees Fahrenheit. All dollar values are reported in thousands.

Routine Form EIA-895 Edit Checks

Each filing of Form EIA-895 is manually checked for reasonableness and mathematical accuracy. Information on the forms is compared to totals of monthly data reported. Volumes are converted, as necessary, to a standard 14.73 psia pressure base. Reasonableness of data is assessed by comparing reported data to the previous year's data. State agencies are contacted by telephone to correct errors. Amended filings or resubmissions are not a requirement, since participation in the survey is voluntary.

Other EIA Publications Referencing Form EIA-895

Data from Form EIA-895 are also published in the EIA publication, *Natural Gas Annual*.

EIA-191 Survey, "Underground Natural Gas Storage Report"

Survey Design

The Form EIA-191, "Underground Natural Gas Storage Report," was revised effective January 1994. Among the changes from the form used from 1991 through 1993 is a distinction between a monthly and annual survey. Prior to 1991, data on the storage of natural gas were collected on a survey jointly implemented in 1975 by the Federal Power Commission (FPC), the Federal Energy Administration (FEA), and the Bureau of Mines (BOM) as the FPC-8/FEA-G-318 system. The data received on both the FPC-8 and

FEA-G-318 were computerized and aggregated by FPC. The form was previously revised in 1991 to include storage data by State, field, and reservoir.

At the beginning of 1979, the EIA assumed responsibility for the collection, processing, and publication of the data gathered in the survey. Form FEA-G-318 was renewed on July 1, 1979, as Form EIA-191 and the survey was retitled the FPC-8/EIA-191 Survey (Figure D4 shows the EIA-191). Form FPC-8 was renewed in December 1985 and the survey retitled FERC-8/EIA-191 Survey. The forms were not merged because of FERC's stated desire to maintain the separate identity of the FERC-8 for administrative reasons. In September 1995, the FERC discontinued the reporting requirements of Form FERC-8. FERC jurisdictional firms will continue to file Form EIA-191.

Survey Universe and Response Statistics

The 114 companies that operate underground facilities will file the Form EIA-191. Of these companies, 42 are subject to the jurisdiction of FERC and are required to report data on Form EIA-191.

The response rate as of the filing deadline is approximately 20 percent. Data from the remaining 80 percent of respondents are received in writing and/or by telephone within 3 to 4 days after the filing deadline. All data supplied by telephone are subsequently filed in writing, generally within 15 days of the filing deadline. The final response rate is 100 percent.

Summary of EIA-191 Data Reporting Requirements

The EIA-191 monthly schedule contains current month and prior month's data on the total quantities of gas in storage, injections and withdrawals, the location (including State and county, field, reservoir) and peak day withdrawals during the reporting period. Prior month's data are required only when data are revised. Information on co-owners of storage fields has been eliminated. The annual schedule contains type of facility, storage field capacity, maximum deliverability and pipelines to which each field is connected. The annual schedule is filed with the January submission.

Collection of the survey is on a custody basis. Information requested must be provided within 20 days after the first day of each month. Twelve reports are required per calendar year. Respondents are required to indicate whether the data reported are actual or estimated. For most of the estimated filings, the actual data or necessary revisions are reflected in the prior month section of the monthly form. Actual data on natural gas injections and withdrawals from underground storage are based on metered quantities. Data on quantities of gas in storage and on storage capacity represent, in part, reservoir engineering evaluations. All volumes are reported at 14.73 psia and 60 degrees Fahrenheit.

Routine Form EIA-191 Edit Checks

Data received on Form EIA-191 are entered into the survey processing system. The survey's five principal data elements (total, base, working gas in storage, injections, and withdrawals) receive a preliminary visual edit to eliminate and correct obvious errors or omissions. Respondents are required to re-file reports containing any inconsistencies or errors.

Other EIA Publications Referencing Form EIA-191

The EIA publication *Monthly Energy Review* and *Winter Fuels Report* contain data from the EIA-191 survey.

"Quarterly Natural Gas Import and Export Sales and Price Report"

Survey Design

The collection of data covering natural gas imports and exports was begun in 1973 by the Federal Power Commission (FPC). On October 1977, FPC ceased to exist and its data collection functions were transferred to the Federal Energy Regulatory Commission (FERC) within the Department of Energy (DOE). From 1979 to 1994, the Energy Information Administration (EIA) has had the responsibility for collecting Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas." Data are not considered proprietary. The Form FPC-14 was discontinued in 1995.

Beginning in 1995, import and export data are taken from the "Quarterly Natural Gas Import and Export Sales and Price Report." This report is prepared by the Office of Fossil Energy, U.S. Department of Energy, based on information submitted by all firms having authorization to import or export natural gas.

Survey Universe and Response Statistics

All companies are required, as a condition of their authorizations to import or export natural gas, to file quarterly reports with the Office of Fossil Energy. These data are collected as part of its regulatory responsibilities. The data are reported at a monthly level of detail. Data reported on the Form FPC-14 represented physical movements of natural gas. Data collected by the Office of Fossil Energy are reported on an equity (sales) basis. For 1994 and earlier years, comparisons of the data from the two sources may show differences because reporting requirements were different. Prior to 1995, the Form FPC-14 was filed annual by each organization or individual having authority to import and export natural gas regardless of whether any activity took place during the reporting year. Authorizations to import and export were originally granted by the FPC. In 1977, the authority to grant authorizations transferred to the Economic Regulatory Administration (ERA). It now resides with the Office of Fossil Energy, U.S. Department of Energy.

Routine Edit Checks

Respondents are required to certify the accuracy of all data reported. The data are checked for reasonableness and accuracy. If errors are found, the companies are required to file corrected data. The data are compared with data reported by the National Energy Board of Canada and are published quarterly. All natural gas volumes in this report are expressed at a pressure base of 14.73 pounds per square inch absolute and temperature of 60 degrees Fahrenheit, except as noted. All import and export prices are in U.S. dollars and, except for LNG exports, are those paid at the U.S. border. LNG export prices are those paid at the point of sale and delivery in Yokohama, Japan.

Form EIA-857, “Monthly Report of Natural Gas Purchases and Deliveries to Consumers”

Survey Design

The original Form EIA-857 was approved for use in December 1984. Response to the Form EIA-857 is mandatory on a monthly basis. Data collected on the Form EIA-857 cover the 50 States and the District of Columbia and include both price and volume data. Data are considered proprietary.

Survey Universe and Response Statistics

A sample of approximately 400 natural gas companies, including interstate pipelines, intrastate pipelines, and local distribution companies, report to the survey. The sample was selected independently for each of the 50 States and the District of Columbia from a frame consisting of all respondents to Form EIA-176 who reported deliveries of natural gas to consumers in the residential, commercial, or industrial sectors. Each selected company is required to complete and file the Form EIA-857 on a monthly basis. Initial response statistics on a monthly basis are as follows: responses received by due date, approximately 50 percent, and responses received after follow-up, 100 percent. Virtually all are received in time for incorporation in the current month’s processing cycle. When a response is extremely late, and the company represents less than 25 percent of the natural gas volumes delivered by all sampled companies in the State, values are imputed as described in Appendix C. When the company’s submission is

eventually received, the submitted data are used for future processing and revisions.

The Form EIA-857 is a monthly sample survey of firms delivering natural gas to consumers. It provides data that are used to estimate monthly sales of natural gas (volume and price) by State and monthly deliveries of natural gas on behalf of others (volume) by State to three consumer sectors - residential, commercial, and industrial. (Monthly deliveries and prices of natural gas to electric utilities are reported on the Form FERC-423, “Monthly Report of Cost and Quality of Fuels for Electric Plants,” and the Form EIA-759, “Monthly Power Plant Report.”) See Appendix C for a discussion of the sample design and estimation procedures.

Summary of Form EIA-857 Data Reporting Requirements

Data collected monthly on the Form EIA-857 on a State level include the volume and cost of purchased gas, the volume and cost of natural gas consumed by sector (residential, commercial, and industrial), and the average heat content of all gas consumed. Respondents file completed forms with EIA in Washington, DC on or before the 30th day after the end of the report month.

All natural gas volumes are reported in thousand cubic feet at 14.73 psia at 60 degrees Fahrenheit and dollar values are reported to the nearest whole dollar.

Routine Form EIA-857 Edit Checks

A series of manual and computerized edit checks are used to screen the Form EIA-857. The edits performed include validity and analytical checks.

Appendix C

Statistical Considerations

The monthly sales (volume and price) and monthly deliveries (volume) of natural gas to residential, commercial and industrial consumers presented in this report by State are estimated from data reported on the Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers." (See Appendix B for a description of this Form.) These estimations must be made from the reported data since the Form EIA-857 is a sample survey. A description of the sample design and the estimation procedures is given below.

Sample Design

The Form EIA-857 is a monthly sample survey of companies delivering natural gas to consumers. It includes inter- and intrastate companies, and producers, as well as local distribution companies. The survey provides data that are used each month to estimate the volume of natural gas delivered and the price for onsystem sales of natural gas by State to three consumer sectors—residential, commercial, and industrial. Monthly deliveries and prices of natural gas to electric utilities are reported on the Form EIA-759, "Monthly Power Plant Report," and the Form FERC-423, "Monthly Report of Costs and Quality of Fuels for Electric Plants."

Sample Universe. The sample currently in use was selected from a universe of 1,538 companies. These companies were respondents to the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," for reporting year 1995 who reported sales or deliveries to consumers in the residential, commercial or industrial sectors. (See Appendix B for a description of the Form EIA-176.)

Sampling Plan. The goal was a sample that would provide estimates of monthly natural gas consumption by the three consuming sectors within each State and the District of Columbia. A stratified sample using a single stage and systematic selection with probability

proportional to size was designed. The measure of size was the volume of natural gas physically delivered in the State to the three consuming sectors by the company in 1995. There were two strata—companies selected with certainty and companies selected under the systematic probability proportional to size design.

Initial calculations showed that a 25 percent sample of companies would yield reasonably accurate estimates. The sample was selected independently in each State, resulting in a national total of 387 respondent companies. Unlike previous years, no mergers or acquisitions were uncovered as a result of the initial mail-out. Therefore there was no need for either substitution of respondent companies or a reduction in the total number of respondents.

Certainty Stratum. Since estimates were needed for each of the 50 States and the District of Columbia, the strata were established independently within each State. In 16 States and the District of Columbia where sampling was not feasible due to small numbers of companies and/or small volumes of gas deliveries, all companies were selected. The 16 States were: Alaska, Connecticut, Delaware, Hawaii, Idaho, Maine, North Dakota, New Hampshire, New Jersey, Nevada, Oregon, Rhode Island, South Dakota, Utah, Vermont, and Washington.

For each of the remaining States, the total volumes of industrial sales and deliveries and of the combined residential/commercial sales and deliveries were determined. Companies with natural gas deliveries to the industrial sector or to the combined residential/commercial sector above a certain level were selected with certainty. Since a few large companies often account for most of the natural gas delivered within a State, this ensures those companies' inclusion in the sample. The formula for determining certainty was applied independently in the two consumer sectors—the industrial

and the combined residential/commercial. These selected companies, together with the companies in the jurisdictions discussed where sampling was not feasible, formed the certainty stratum.

All companies with natural gas deliveries in sector j greater than the cut-off value (C_j) were included in the certainty stratum. The formula for C_j was:

$$C_j = \frac{X_{.j}}{2n} \quad (1)$$

where:

C_j = cutoff value for consumer sector j ,

n = target sample size to be selected for the State, 25 percent of the companies in the State,

$X_{.j}$ = the annual volume of natural gas deliveries by company i to customers in consumer sector j ,

X_i = the sum within State of annual gas volumes for company i ,

X_j = the sum within State of annual gas volumes in consumer sector j ,

$X_{..}$ = the sum within State of annual gas volumes in all consumer sectors.

Noncertainty Stratum. All other companies formed the noncertainty stratum. They were systematically sampled with probability proportional to size. The measure of size for each company was the total volume of gas sales to all consumer sectors (X_i). The number of companies to be selected from the noncertainty stratum was calculated for each State, with a minimum of 2.

The formula for selecting the number of noncertainty stratum companies was:

$$m = n \frac{X_2}{X_{..}} \quad (2)$$

where:

m = the sample size for the noncertainty stratum within a State,

X_2 = the sum within State of the X_i for all companies in the noncertainty stratum.

Companies were listed in ascending order according to their measure of size and then a cumulative measure of size in the stratum was calculated for each company. The cumulative measure of size was the sum of the measures of size for that company and all preceding companies on the list. An interval of width I for selecting the companies systematically was calculated using.

A uniform random number R was selected between zero and $I \frac{X_2}{m}$. The first sampled company was

the first company on the list to have a cumulative measure of size greater than R . The second company selected was the first company on the list to have a cumulative measure of size greater than $R + I$. $R + I$ was increased again by I to determine the third company to be selected. This procedure was repeated until the entire sample was drawn.

Subgroups. In eight States, the noncertainty stratum was divided into subgroups to ensure that gas in each consumer sector could be estimated. The systematic sample with probability proportional to size design described above was applied independently in each subgroup. The methods for determining the subgroup sample size and calculating the subgroup interval for sample selection were the same as the methods described above for the noncertainty stratum, except that X_2 was the sum within State of the X_i for only those companies in the subgroup.

These subgroups were defined only for the purpose of sample selection. They are:

California: companies handling only industrial gas and all other companies.

Iowa: companies handling industrial gas and companies delivering only to residential or commercial customers.

Louisiana: companies handling only industrial gas and all other companies, with the latter being further subdivided according to size. The larger group is comprised of all companies with total deliveries of at least 200 million cubic feet while the smaller group consists of companies with less than that volume of delivered gas (three subgroups).

Oklahoma: Companies delivering less than 500 million cubic feet of gas and those delivering more than that volume.

Texas: companies handling only residential/commercial gas, companies handling only industrial gas, and all other companies (three subgroups).

Estimation Procedures

Estimates of Volumes. A ratio estimator is applied to the volumes reported in each State by the sampled companies to estimate the total gas sales and deliveries for the State. Ratio estimators are calculated for each consumer sector—residential, commercial, and industrial—in each State where companies are sampled. The following annual data are taken from the most recent 1995 submissions of Form EIA-176:

The formula for calculating the ratio estimator (E_{vj}) for the volume of gas in consumer sector j is:

$$E_{vj} = \frac{Y_j}{Y'_j} \quad (3)$$

where:

Y_j = the sum within State of annual gas volumes in consumer sector j for all companies,

Y'_j = the sum within State of annual gas volumes in consumer sector j for those companies in the sample.

The ratio estimator is applied as follows:

$$V_j = y_{j,j} E_{vj} \quad (4)$$

where:

V_j = the State estimate of monthly gas volumes in consumer sector j ,

$y_{j,j}$ = the sum within State of reported monthly gas volumes in consumer sector j .

Computation of Natural Gas Prices. The natural gas volumes that are included in the computation of prices represent only those volumes associated with natural gas sales.

The price of natural gas for a State within a sector is calculated as follows:

$$P_j = \frac{R_j}{V_j}$$

where:

P_j = the average price for gas sales within the State in consumer sector j ,

R_j = the reported revenue from natural gas sales within the State in consumer sector j ,

V_j = the reported volume of natural gas sales within the State in consumer sector j .

All average prices are weighted by their corresponding sales volume estimates when national average prices are computed.

The monthly average prices of natural gas are based on sales data only. Volumes of gas delivered for the account of others to these consumer sectors are not included in the State or national average prices.

Table 25 shows the percent of the total State volume that represents volumes from natural gas sales to the commercial and industrial sectors. This table may be helpful in evaluating commercial and industrial price data. Virtually all natural gas deliveries to the residential sector represent onsystem sales volumes only.

See the section on consumer price calculations in this Appendix for further price information.

Estimation for Nonrespondents. A volume for each consumer category is imputed for companies that fail to respond. The imputation is based on the previous month's value reported by the non-responding company and the change from the previous month to the current month in volumes reported by other companies in the State. The imputed volumes are included in the State totals. To estimate prices for non-respondents, the unit price (dollars per thousand cubic feet) reported by the company in the previous month is used.

The formula for imputing volumes of gas sales for nonrespondents was:

$$F_t = F_{t-1} + \frac{y_{jt} - y_{j,t-1}}{y_{j,t-1}} F_{t-1} \quad (5)$$

where:

F_t = imputed gas volume for current month t ,

F_{t-1} = gas volume for the company for the previous month,

y_{jt} = gas volume reported by companies in the State stratum for report month t,

$y_{j,t-1}$ = gas volume in the previous month for companies in the State stratum that reported in month t.

Final Revisions

Adjusting Monthly Data to Annual Data. After the annual data reported on the Form EIA-176 have been submitted, edited, and prepared for publication in the *Natural Gas Annual*, revisions are made to monthly data. The revisions are made to the volumes and prices of natural gas delivered to consumers that have appeared in the *Natural Gas Monthly* to match them to the annual values appearing in the *Natural Gas Annual*. The revised monthly estimates allocate the difference between the sum of monthly estimates and the annual reports according to the distribution of the estimated values across the months.

Before the final revisions are made, changes or additions to submitted data received after publication of the monthly estimate and not sufficiently large to require a revision to be published in the *Natural Gas Monthly*, are used to derive an updated estimate of monthly consumption and revenues for each State's residential, commercial, or industrial natural gas consumption.

For each State, two numbers are revised, the estimated consumption and the estimated price per thousand cubic feet.

The formula for revising the estimated consumption is:

$$V_{jm} = V_{jm} + (V_{ja} - V_{jm}) \left(\frac{V_{jm}}{V_{jm}} \right) \quad (6)$$

where:

V_{jm}^* = the final volume estimate for month m in consumer sector j,

V_{jm} = the estimated volume for month m in consumer sector j,

V_{ja} = the volume for the year reported on Form EIA-176,

V'_{jm} = The annual sum of estimated monthly volumes.

The price is calculated as described above in the Estimation Procedures section, using the final revised consumption estimate and a revised revenue estimate.

The formula for revising the estimated revenue is:

$$R_{jm} = R_{jm} + (R_{ja} - R_{jm}) \left(\frac{R_{jm}}{R_{jm}} \right) \quad (7)$$

where:

R_{jm}^* = the final revenue estimate for month m in consumer sector j,

R_{jm} = the estimated revenue for month m in consumer sector j,

R_{ja} = the revenue for the year reported on Form EIA-176,

R'_{jm} = The annual sum of estimated monthly revenues. Revision of Volumes and Prices for Deliveries to Electric Utilities. Revisions to monthly electric utilities data are published throughout the year as they become available.

Reliability of Monthly Data

The monthly data published in this report are subject to two sources of error - nonsampling error and sampling error. Nonsampling errors occur in the collection and processing of the data. See the discussion of the Form EIA-857 in Appendix B for a description of nonsampling errors for monthly data.

Sampling error may be defined as the difference between the results obtained from a sample and the results that a complete enumeration would provide. The standard error statistic is a measurement of sampling error.

Standard Errors. A standard error of an estimate is a statistical measure that indicates how the estimate from the sample compares to the result from a complete enumeration. Standard errors are calculated based on statistical theory that refers to all possible samples of the same size and design.

The standard errors for monthly natural gas volume estimates by State are given in Table C1. Ninety-five percent of the time, the volume that would have been obtained from a complete enumeration will lie in the range between the estimated volume minus two

standard errors and the estimated volume plus two standard errors.

The standard error of the natural gas volume estimate is the square root of the variance of the estimate. The formula for calculating the variance of the volume estimate is:

$$V(Y) = \sum_{h=1}^H N_h^2 \frac{(1 - \frac{n_h}{N_h})}{n_h(n_h - 1)} \sum_{i=1}^{n_h} (y_i - T x_i)^2 \quad (8)$$

where:

H = the total number of strata

N_h = the total number of companies in stratum h

n_h = the sample size in stratum h

y_i = the reported monthly volume for company i

x_i = the reported annual volume for company i

T = the ratio of the sum of the reported monthly volumes for sample companies to the sum of the reported annual volumes for the sample companies.

Table C-1. Standard Error for Natural Gas Deliveries and Price to Consumers by State, March 2000

State	Volume Million Cubic Feet				Price Dollars per Thousand Cubic Feet		
	Residential	Commercial	Industrial	Total	Residential	Commercial	Industrial
Alabama	373	122	1,746	1,790	0.80	1.59	2.81
Alaska	0	0	0	0	—	—	—
Arizona	0	0	0	0	—	—	—
Arkansas	NA	NA	53	NA	NA	NA	0.17
California	596	173	1,254	1,399	0.04	0.07	0.94
Colorado	NA	NA	NA	NA	NA	NA	NA
Connecticut	0	0	0	0	—	—	—
Delaware	0	0	0	0	—	—	—
District of Columbia	0	0	0	0	—	—	—
Florida	141	112	1,968	1,976	0.89	0.30	0.55
Georgia	NA	NA	NA	NA	NA	NA	NA
Hawaii	0	0	0	0	—	—	—
Idaho	0	0	0	0	—	—	—
Illinois	1,039	571	5,074	5,210	0.16	0.36	0.37
Indiana	NA	NA	NA	NA	NA	NA	NA
Iowa	28	67	29	78	0.08	0.04	0.14
Kansas	4,583	5,914	1,560	7,643	0.54	2.11	2.09
Kentucky	371	39	357	516	0.11	0.17	0.02
Louisiana	38	69	2,830	2,832	0.03	0.02	0.07
Maine	NA	NA	NA	NA	NA	NA	NA
Maryland	44	70	25	87	0.01	0.02	0.05
Massachusetts	NA	NA	NA	NA	NA	NA	NA
Michigan	426	739	1,642	1,850	0.11	0.12	0.10
Minnesota	441	186	401	624	0.08	0.09	0.16
Mississippi	316	293	382	575	0.49	0.18	0.23
Missouri	273	835	593	1,060	0.16	0.26	3.12
Montana	13	10	0	16	0.01	0.01	—
Nebraska	132	57	864	876	0.21	0.09	0.27
Nevada	0	0	0	0	—	—	—
New Hampshire	0	NA	NA	NA	—	NA	NA
New Jersey	NA	NA	NA	NA	NA	NA	NA
New Mexico	281	687	2,246	2,365	0.67	0.55	4.42
New York	634	7,338	5,018	8,912	0.14	0.34	0.47
North Carolina	159	95	758	781	0.03	0.04	0.95
North Dakota	0	0	0	0	—	—	—
Ohio	1,776	9,398	9,260	13,313	0.65	0.29	0.27
Oklahoma	188	2,264	2,170	3,141	0.24	0.59	4.19
Oregon	0	0	0	0	—	—	—
Pennsylvania	0	0	0	0	—	—	—
Rhode Island	0	0	0	0	—	—	—
South Carolina	118	30	979	987	0.15	0.10	0.05
South Dakota	0	0	0	0	—	—	—
Tennessee	398	188	2,143	2,187	0.38	0.26	0.43
Texas	146	6,485	3,927	7,583	0.13	1.08	0.37
Utah	0	0	0	0	—	—	—
Vermont	0	0	0	0	—	—	—
Virginia	153	233	967	1,007	0.22	0.25	0.44
Washington	NA	NA	NA	NA	NA	NA	NA
West Virginia	NA	654	NA	NA	NA	1.27	NA
Wisconsin	318	693	804	1,108	0.25	0.24	0.29
Wyoming	26	117	73	140	0.05	0.04	0.33
Total	5,691	15,299	19,176	25,183	0.08	0.12	0.34

NA Not Available.
— Not Applicable.

Source: Energy Information Administration, Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Appendix D

Articles, Special Focuses and Special Reports

A variety of energy-related subjects are frequently included in this publication. The following articles have appeared in previous issues.

Feature Articles

<i>Natural Gas 1998: Issues and Trends - Executive Summary</i>	April 1999
<i>Revisions to Monthly Natural Gas Data</i>	July 1998
<i>EIA Corrects Errors in EIA's Drilling Activity Estimates Series</i>	March 1998
<i>Recent Trends in Natural Gas Spot Prices</i>	December 1997
<i>Natural Gas Residential Pricing Developments During the 1996-97 Winter</i>	August 1997
<i>Revisions to Monthly Natural Gas Data</i>	July 1997
<i>Intricate Puzzle of Oil and Gas Reserves Growth</i>	July 1997
<i>Restructuring Energy Industries: Lessons from Natural Gas</i>	May 1997

Special Focuses

<i>Corporate Realignment and Investments in the Interstate Natural Gas Transmission System</i>	October 1999
<i>Deliverability on the Interstate Natural Gas Pipeline System</i>	May 1998
<i>Advance Summary: U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, 1996 Annual Report - Advance Summary</i>	September 1997
<i>Worldwide Natural Gas Supply and Demand and the Outlook for Global LNG Trade</i>	August 1997
<i>Outlook for Natural Gas Through 2015</i>	January 1997
<i>Natural Gas Productive Capacity</i>	January 1997

Special Reports

<i>Natural Gas 1999: A Preliminary Summary</i>	May 2000
<i>Next Generation * Natural Gas (NG)² Information Requirements — Executive Summary</i>	February 2000

<i>Increasing Importance of Natural Gas Imports on the U.S. Marketplace</i>	February 2000
<i>Natural Gas Winter Outlook 1999-2000</i>	October 1999
<i>U.S. Natural Gas Imports and Exports - 1998</i>	August 1999
<i>Retail Unbundling</i>	July 1999
<i>Natural Gas 1998: A Preliminary Summary</i>	April 1999
<i>U.S. Natural Gas Imports and Exports - 1977</i>	August 1998
<i>Revisions to Monthly Natural Gas Data</i>	July 1998
<i>Natural Gas 1997: A Preliminary Summary</i>	April 1998
<i>Comparison of Natural Gas Storage Estimates from the EIA and AGA</i>	October 1997
<i>U.S. Underground Storage of Natural Gas in 1997: Existing and Proposed</i>	September 1997
<i>U.S. Natural Gas Imports and Exports - 1996</i>	August 1997
<i>Revisions to Monthly Natural Gas Data</i>	July 1997
<i>Natural Gas 1996: Highlights</i>	April 1997
<i>Natural Gas Pipeline and System Expansions</i>	April 1997
<i>Natural Gas Analysis and Geographic Information Systems</i>	March 1997

Appendix E

Technical Contacts

Section	Tables	Principal Data Sources	Technical Contact
Summary Statistics: Natural Gas Production	1,2,3	Monthly: EIA-895, "Monthly Quantity of Natural Gas Report" Annual: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Sharon Belcher (202)586-6119 Roy Kass (202)586-4790
Extraction Loss	1	Monthly: EIA computations Annual: Form EIA-816, "Monthly Natural Gas Liquids Report" and Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"	Margo Natof (202)586-6303
Supplemental Gaseous Fuels	2	Monthly: EIA computations Annual: Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"	Margo Natof (202)586-6303
Imports and Exports	2	Monthly: EIA computations Annual: Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Import and Exports"	Ann Ducca (202)586-6137
Price: City Gate, Residential, Commercial, and Industrial	4	Monthly: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202)586-4790
Wellhead	4	Monthly: EIA computations Annual: Form EIA-895, "Monthly Quantity and Value of Natural Gas Report"	Sylvia Norris (202)586-6106
Electric Utility	4	Monthly: Form FPC-423, "Cost and Quality of Fuels for Electric Power Plants"	Roy Kass (202)586-4790
Summary of Natural Gas Imports and Exports	5,6	Monthly: Quarterly Natural Gas Import and Export Sales and Price Report	Ann Ducca (202)586-6137
Producer Related Activities: Natural Gas Production	7,8	Monthly: EIA-895, "Monthly Quantity of Natural Gas Report"	Sharon Belcher (202)586-6119
Underground Storage:	9,10,11, 12,13,14	Monthly: Forms FERC-8 and EIA-191, "Underground Gas Storage Report"	Carol Jones (202) 586-6168
Distribution and Consumption: Deliveries to: Residential, Commercial, Industrial, Electric Utility, All Consumers	15 16 17 18 19	Monthly: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" Form FERC-423, "Cost and Quality of Fuels for Electric Power Plants"	Roy Kass (202)586-4790
Average Price to: City Gate, Residential, Commercial, Industrial, Electric Utility Onsystem Sales	20 21 22 23 24 25	Monthly: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" Form FERC-423, "Cost and Quality of Fuels for Electric Power Plants"	Roy Kass (202)586-4790
Heating Degree Days	26	Monthly: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202)586-4790
Highlights		Seasonal: National Oceanic and Atmospheric Administration	Patricia Wells (202)586-6077
			Mary Carlson (202)586-4749

Glossary

Balancing Item: Represents the difference between the sum of the components of natural gas supply and the sum of the components of natural gas disposition. These differences may be due to quantities lost or to the effects of data reporting problems. Reporting problems include differences due to the net result of conversions of flow data metered at varying temperature and pressure bases and converted to a standard temperature and pressure base; the effect of variations in company accounting and billing practices; differences between billing cycle and calendar period time frames; and imbalances resulting from the merger of data reporting systems which vary in scope, format, definitions, and type of respondents.

Base (Cushion) Gas: The volume of gas needed as a permanent inventory to maintain adequate underground storage reservoir pressures and deliverability rates throughout the withdrawal season. All native gas is included in the base gas volume.

British Thermal Unit (Btu): The heat required to raise the temperature of one pound of water by one degree Fahrenheit at or near 39.2 degrees Fahrenheit.

City-gate: A point or measuring station at which a gas distribution company receives gas from a pipeline company or transmission system.

Commercial Consumption: Gas used by nonmanufacturing establishments or agencies primarily engaged in the sale of goods or services such as hotels, restaurants, wholesale and retail stores and other service enterprises; and gas used by local, State and Federal agencies engaged in nonmanufacturing activities.

Depletion: The loss in service value incurred in connection with the exhaustion of the natural gas reserves in the course of service.

Depreciation: The loss in service value not restored by current maintenance, incurred in connection with the consumption or respective retirement of a gas plant in the course of service from causes that are

known to be in current operation and against which the utility is not protected by insurance; for example, wear and tear, decay, obsolescence, changes in demand and requirements of public authorities, and the exhaustion of natural resources.

Dry Natural Gas Production: Marketed production less extraction loss.

Electric Utility: An enterprise that is engaged in the generation, transmission, or distribution of electric energy primarily for use by the public and that is the major power supplier within a designated service area. Electric utilities include investor-owned, publicly-owned, cooperatively-owned, and government-owned (municipals, Federal agencies, State projects, and public power districts) systems.

Electric Utility Consumption: Gas used as fuel in electric utility plants.

Exports: Natural gas deliveries out of the continental United States and Alaska to foreign countries.

Extraction Loss: The reduction in volume of natural gas resulting from the removal of natural gas liquid constituents at natural gas processing plants.

Flared: The volume of gas burned in flares on the base site or at gas processing plants.

Gas Condensate Well: A gas well that produces from a gas reservoir containing considerable quantities of liquid hydrocarbons in the pentane and heavier range generally described as "condensate."

Gas Well: A well completed for the production of natural gas from one or more gas zones or reservoirs.

Gross Withdrawals: Full well stream volume, including all natural gas plant liquid and nonhydrocarbon gases, but excluding lease condensate. Also includes amounts delivered as royalty payments or consumed in field operations.

Heating Value: The average number of British thermal units per cubic foot of natural gas as determined from tests of fuel samples.

Imports: Natural gas received in the Continental United States (including Alaska) from a foreign country.

Independent Producers: Any person who is engaged in the production or gathering of natural gas and who sells natural gas in interstate commerce for resale but who is not engaged in the transportation of natural gas (other than gathering) by pipeline in interstate commerce.

Industrial Consumption: Natural gas used for heat, power, or chemical feedstock by manufacturing establishments or those engaged in mining or other mineral extraction as well as consumers in agriculture, forestry, and fisheries. Also included in industrial consumption are natural gas volumes used in the generation of electricity by other than regulated electric utilities.

Interstate Companies: Natural gas pipeline companies subject to FERC jurisdiction.

Intransit Deliveries: Redeliveries to a foreign country of foreign gas received for transportation across U.S. territory and deliveries of U.S. gas to a foreign country for transportation across its territory and redelivery to the United States.

Intransit Receipts: Receipts of foreign gas for transportation across U.S. territory and redelivery to a foreign country and redeliveries to the United States of U.S. gas transported across foreign territory.

Intrastate Companies: Companies not subject to FERC jurisdiction.

Lease and Plant Fuel: Natural gas used in well, field, lease operations and as fuel in natural gas processing plants.

Liquefied Natural Gas (LNG): Natural gas that has been liquefied by reducing its temperature to minus 260 degrees Fahrenheit at atmospheric pressure.

Marketed Production: Gross withdrawals less gas used for repressuring, quantities vented and flared, and nonhydrocarbon gases removed in treating or processing operations. Includes all quantities of gas used in field and processing operations. See Explanatory Note 1 for discussion of coverage of data concerning nonhydrocarbon gases removed.

Native Gas: Gas in place at the time that a reservoir was converted to use as an underground storage reservoir as in contrast to injected gas volumes.

Natural Gas: A mixture of hydrocarbon compounds and small quantities of various nonhydrocarbons existing in the gaseous phase or solution with oil in natural underground reservoirs at reservoir conditions.

Nonhydrocarbon Gases: Typical nonhydrocarbon gases that may be present in reservoir natural gas are carbon dioxide, helium, hydrogen sulfide, and nitrogen.

Oil Well (Casinghead) Gas: Associated and dissolved gas produced along with crude oil from oil completions.

Onsystem Sales: Sales to customers where the delivery point is a point on, or directly interconnected with, a transportation, storage, and/or distribution system operated by the reporting company.

Pipeline Fuel: Gas consumed in the operation of pipelines, primarily in compressors.

Repressuring: The injection of gas into oil or gas formations to effect greater ultimate recovery.

Residential Consumption: Gas used in private dwellings, including apartments, for heating, cooking, water heating, and other household uses.

Salt Cavern Storage Field: A storage facility that is a cavern hollowed out in either a salt "bed" or "dome" formation.

Storage Additions: The volume of gas injected or otherwise added to underground natural gas or liquefied natural gas storage during the applicable reporting period.

Storage Withdrawals: Total volume of gas withdrawn from underground storage or liquefied natural gas storage during the applicable reporting period.

Supplemental Gaseous Fuels Supplies: Synthetic natural gas, propane-air, refinery gas, biomass gas, air injected for stabilization of heating content, and manufactured gas commingled and distributed with natural gas.

Synthetic Natural Gas (SNG): A manufactured product chemically similar in most respects to natural gas, that results from the conversion or reforming of petroleum hydrocarbons and may easily be substituted for or interchanged with pipeline quality natural gas.

Therm: One-hundred thousand British thermal units.

Underground Gas Storage Reservoir Capacity: Interstate company reservoir capacities are those certificated by FERC. Independent producer and intrastate company reservoir capacities are reported as developed capacity.

Vented Gas: Gas released into the air on the base site or at processing plants.

Wellhead Price: Represents the wellhead sales price, including charges for natural gas plant liquids subsequently removed from the gas, gathering and compression charges, and State production, severance, and/or similar charges.

Working (Top Storage) Gas: The volume of gas in an underground storage reservoir above the designed level of the base. It may or may not be completely withdrawn during any particular withdrawal season. Conditions permitting, the total working capacity could be used more than once during any season.